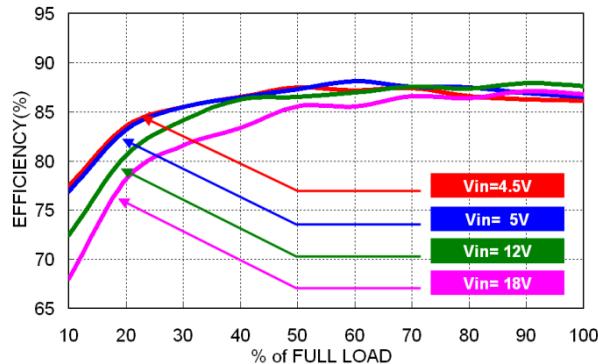
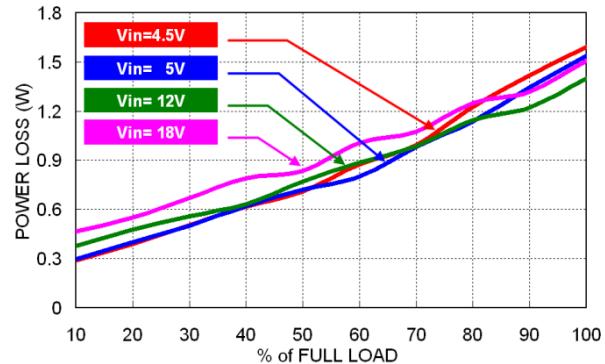
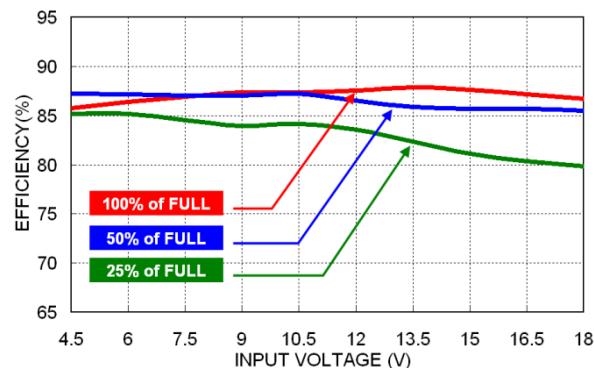
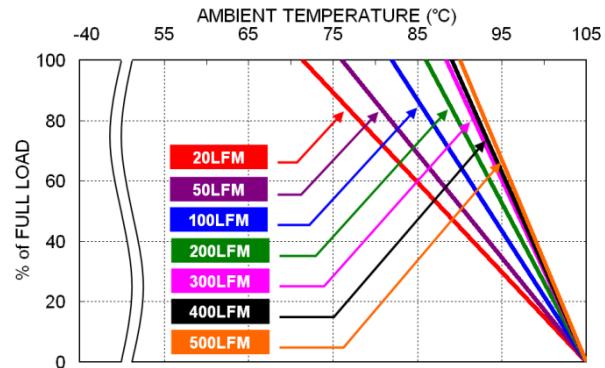
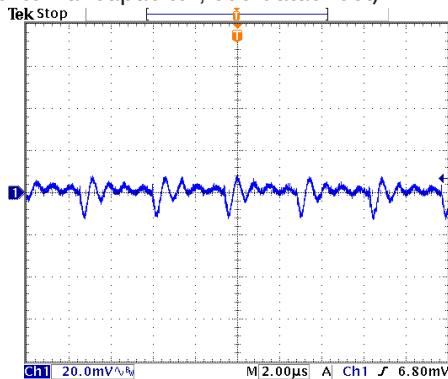


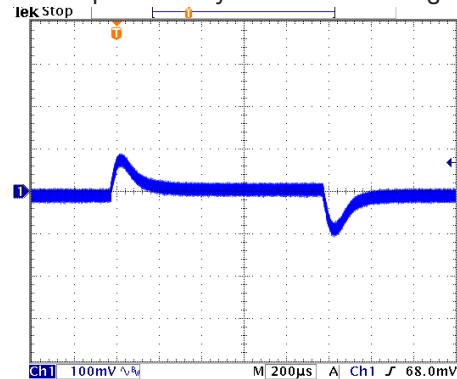
Characteristic Curves
TMR 12-1210WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1210WI

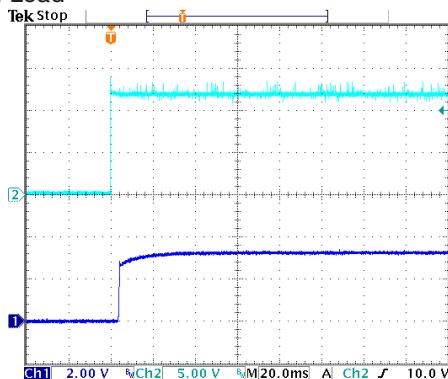
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



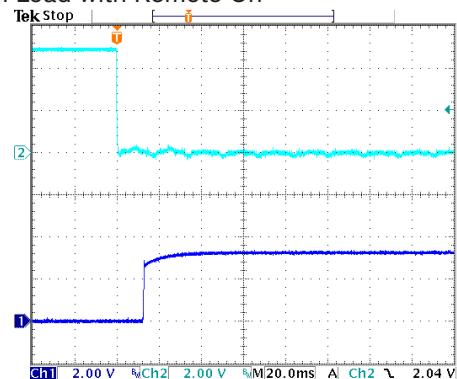
Transient Response to Dynamic Load Change (25%)

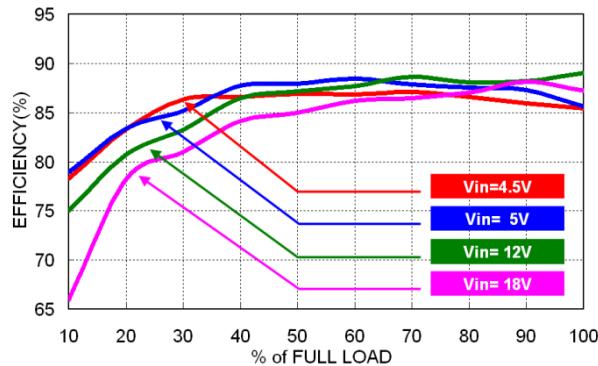
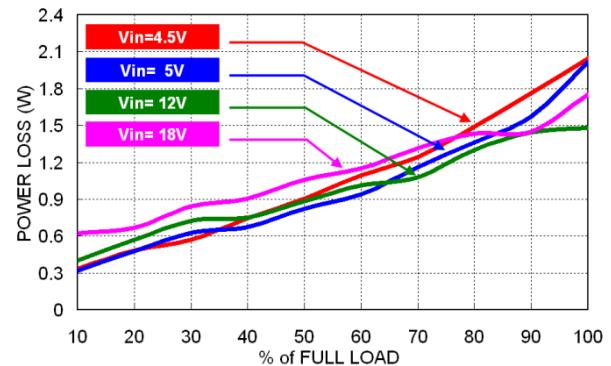
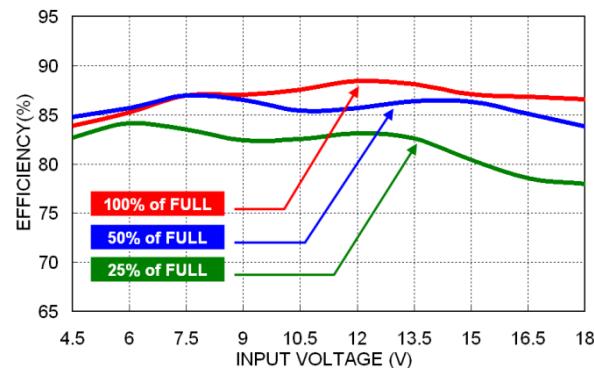
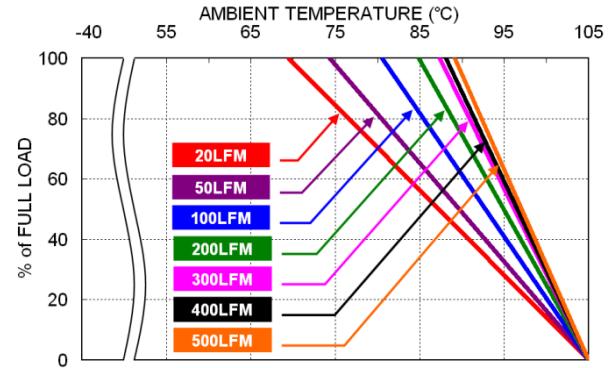


Typical Start-Up and Output Rise Characteristic
at Full Load



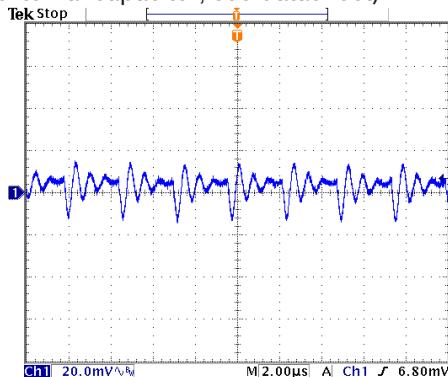
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



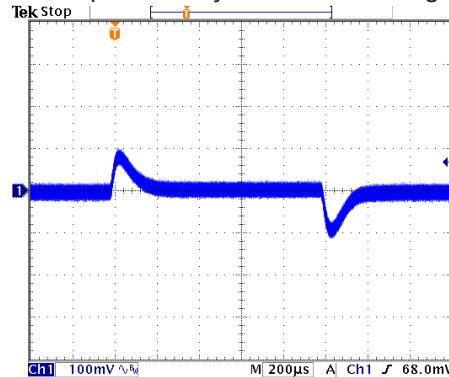
TMR 12-1211WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1211WI

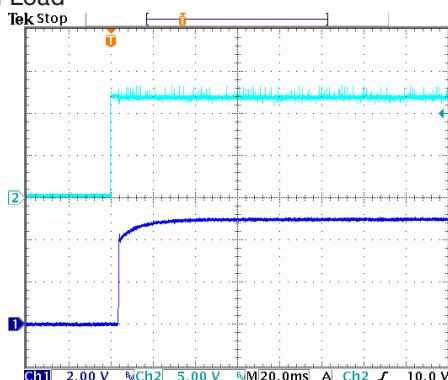
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



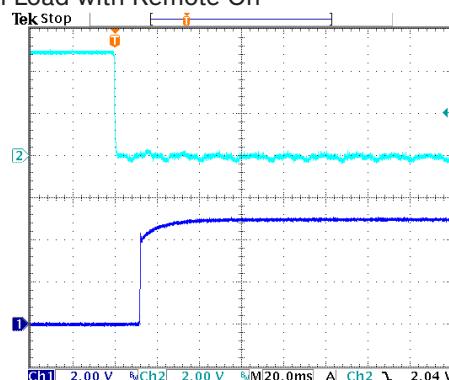
Transient Response to Dynamic Load Change (25%)

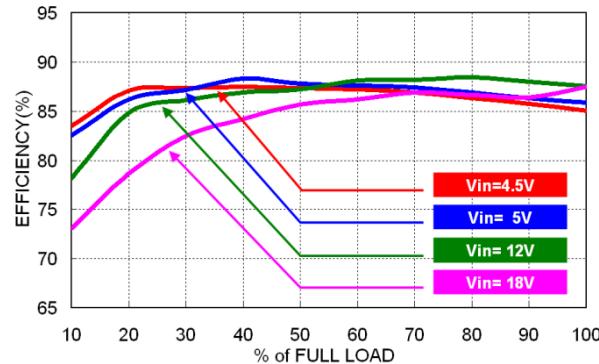
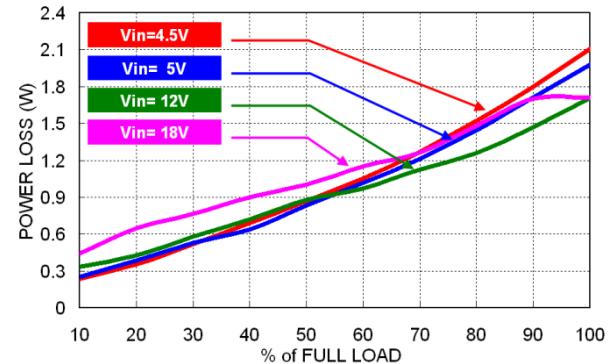
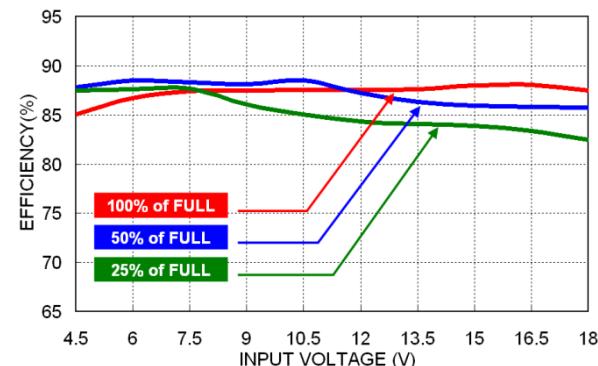
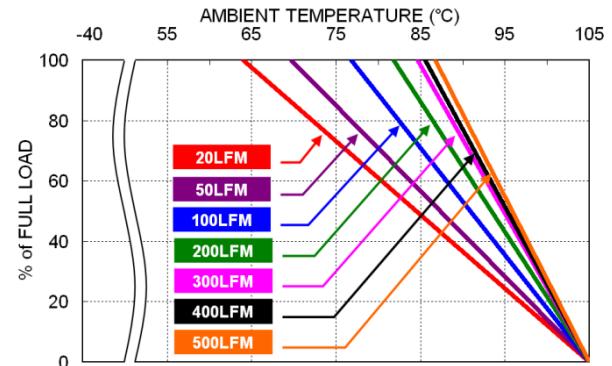


Typical Start-Up and Output Rise Characteristic
at Full Load



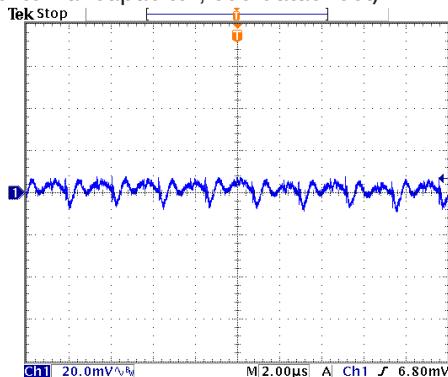
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



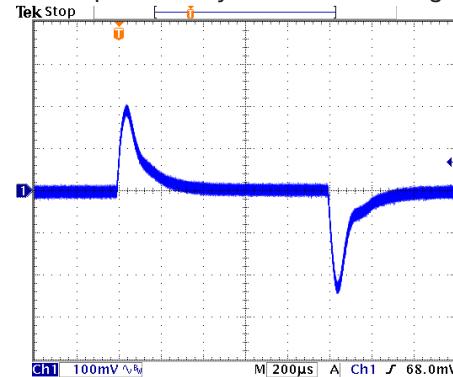
On Demand model with 12 Vin and 9 Vout
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


On Demand model with 12 Vin and 9 Vout

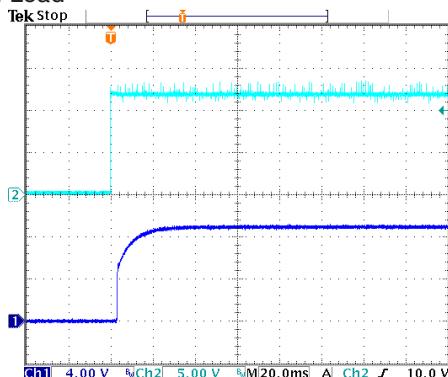
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



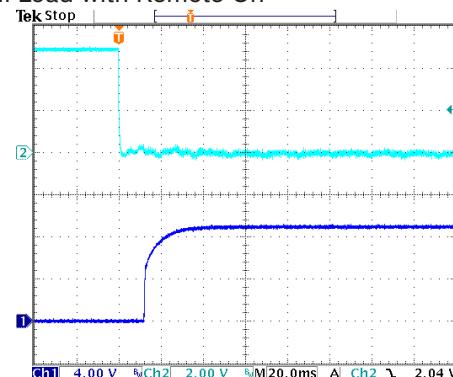
Transient Response to Dynamic Load Change (25%)

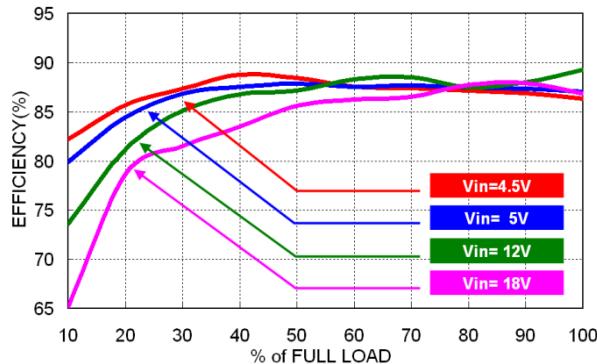
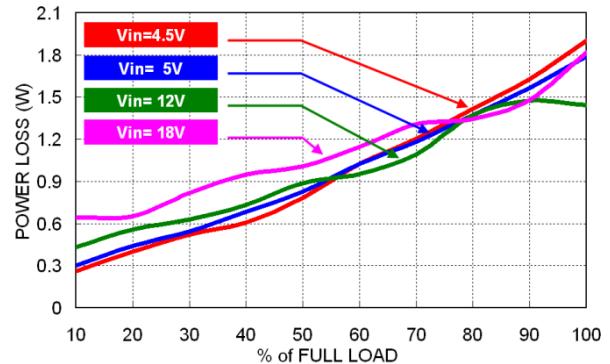
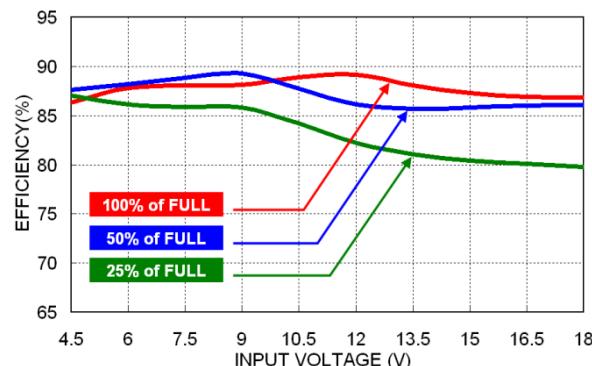
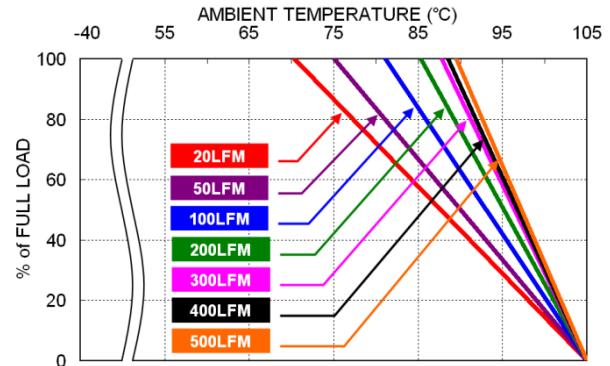


Typical Start-Up and Output Rise Characteristic
at Full Load



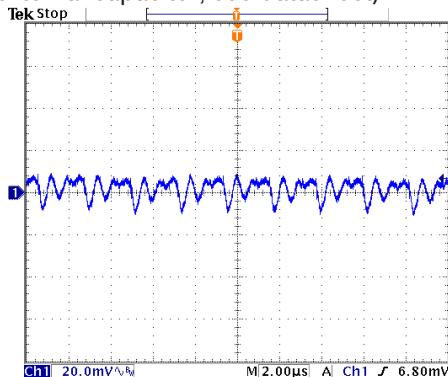
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



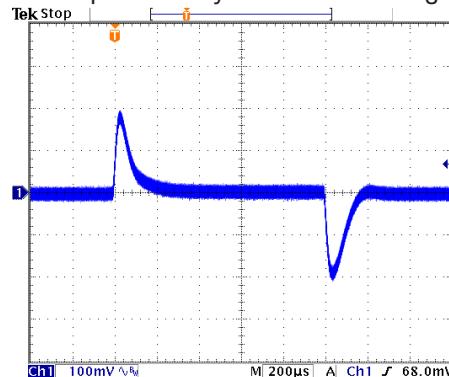
TMR 12-1212WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1212WI

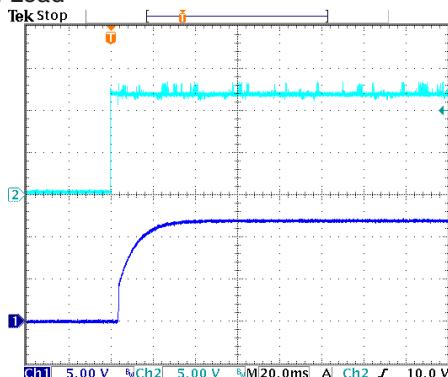
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



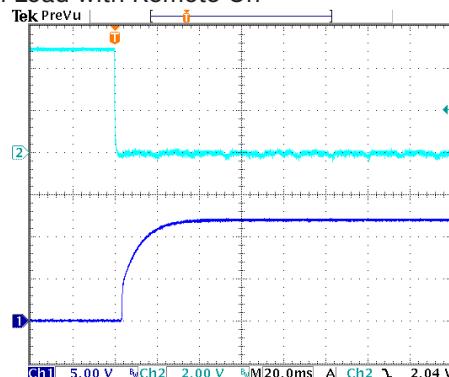
Transient Response to Dynamic Load Change (25%)

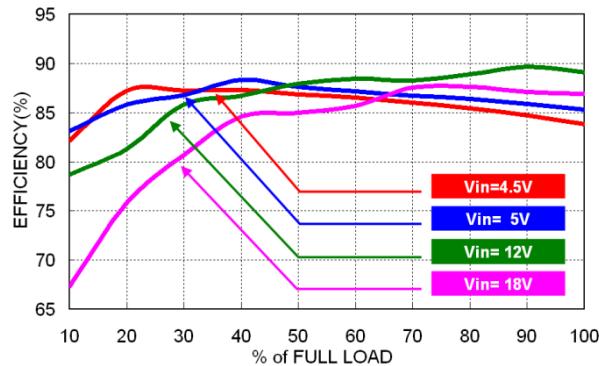
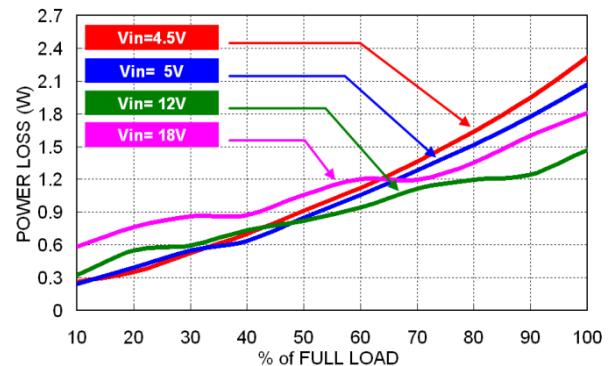
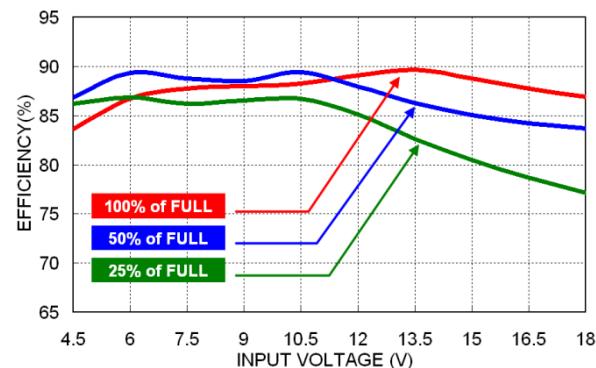
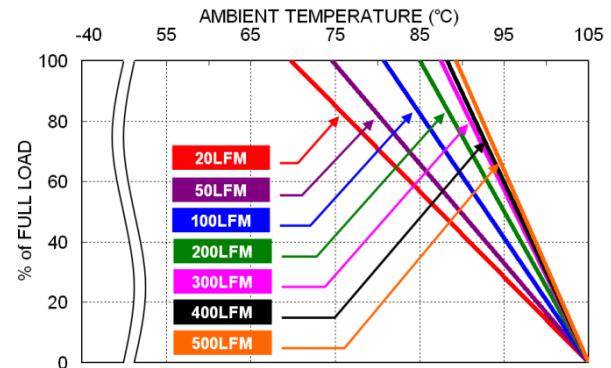


Typical Start-Up and Output Rise Characteristic
at Full Load



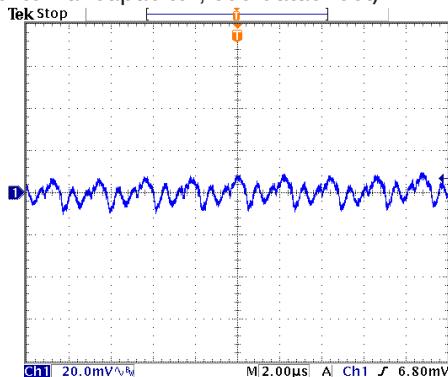
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



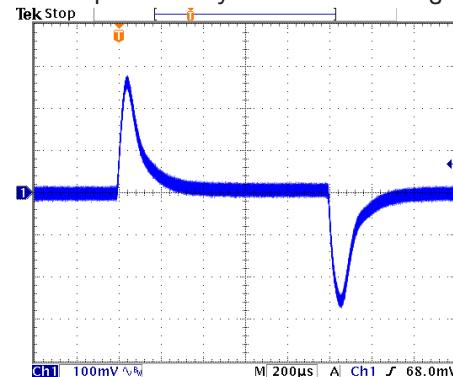
TMR 12-1213WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1213WI

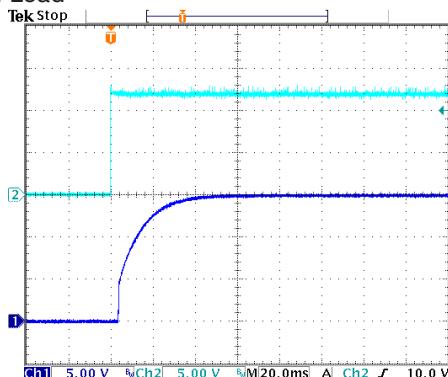
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



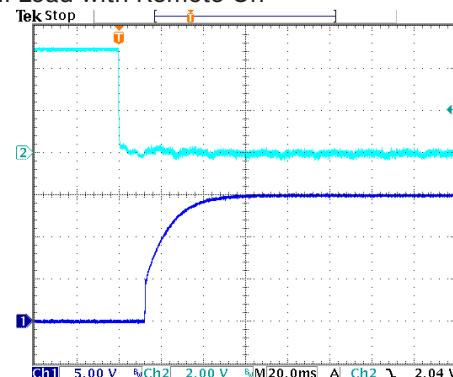
Transient Response to Dynamic Load Change (25%)

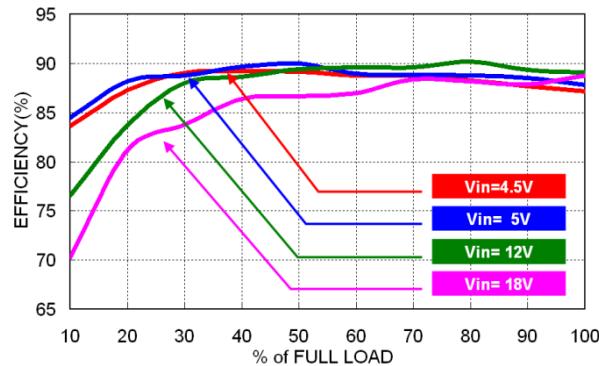
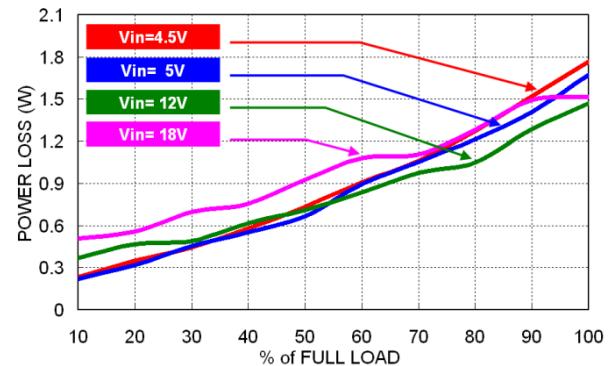
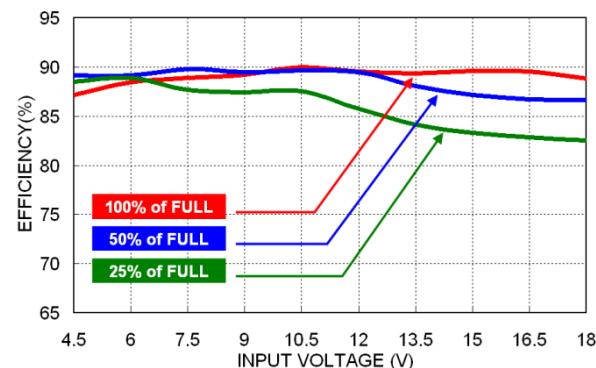
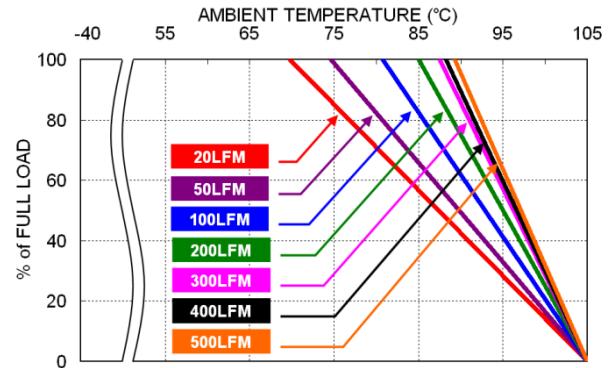


Typical Start-Up and Output Rise Characteristic
at Full Load



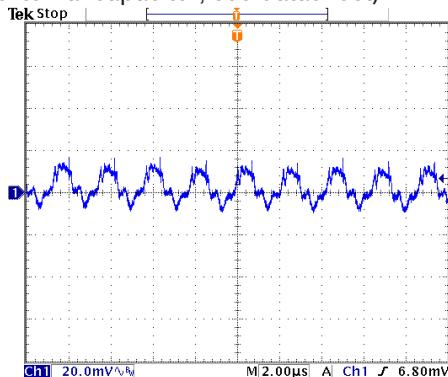
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



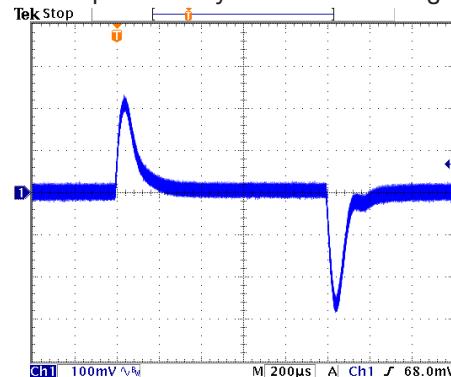
TMR 12-1215WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1215WI

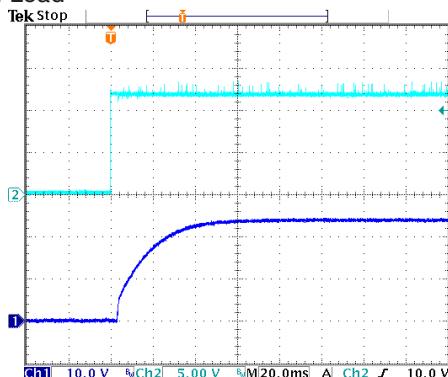
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



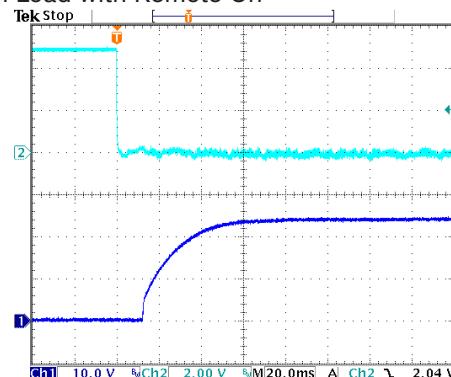
Transient Response to Dynamic Load Change (25%)

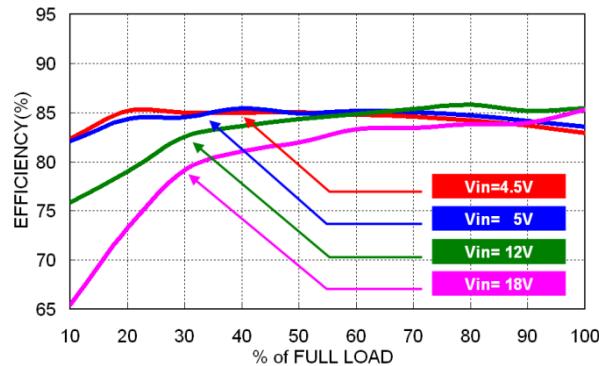
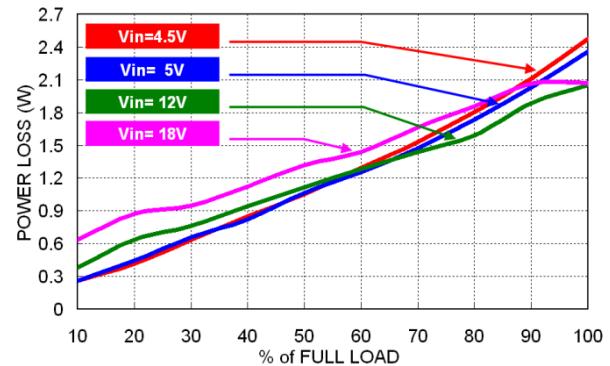
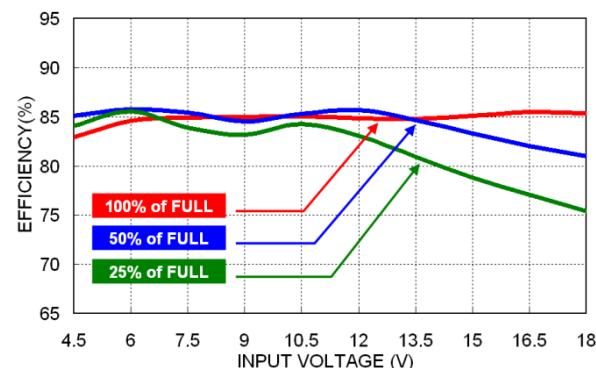
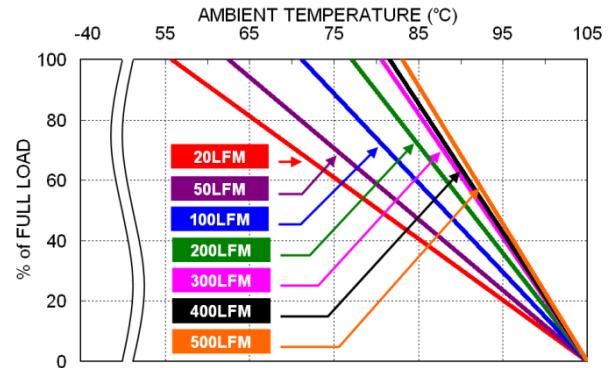


Typical Start-Up and Output Rise Characteristic
at Full Load



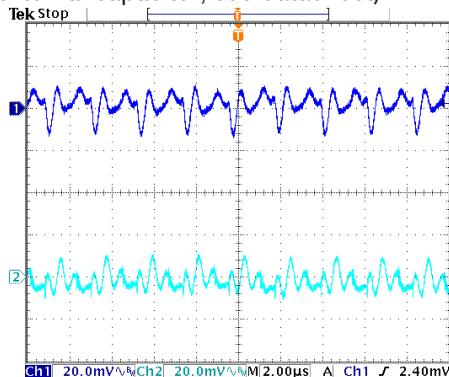
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



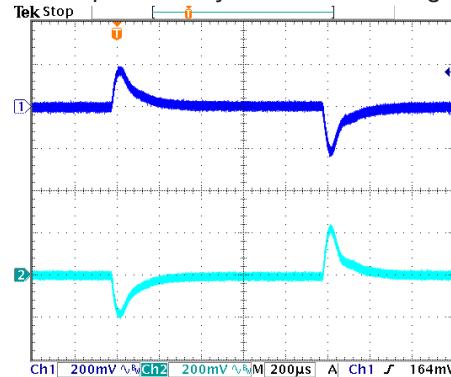
TMR 12-1221WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1221WI

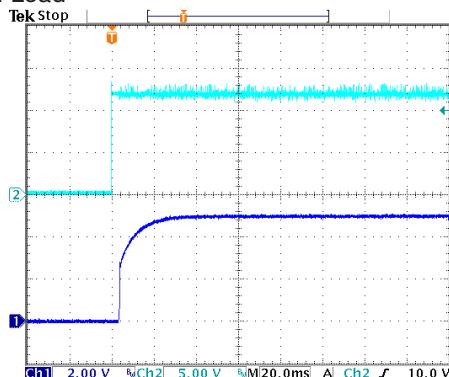
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



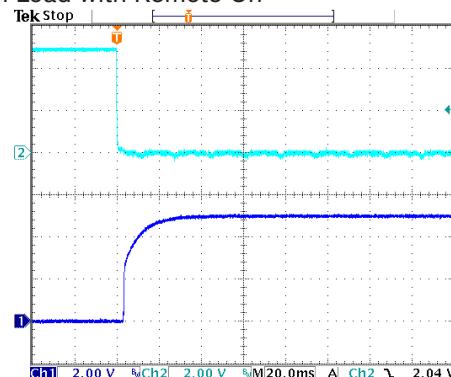
Transient Response to Dynamic Load Change (25%)

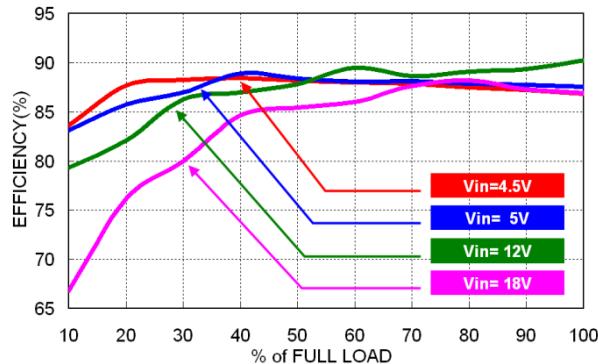
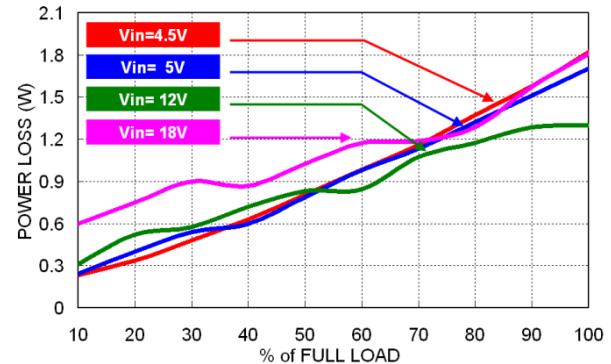
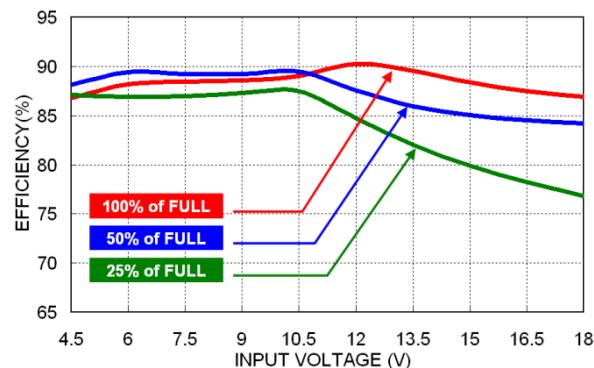
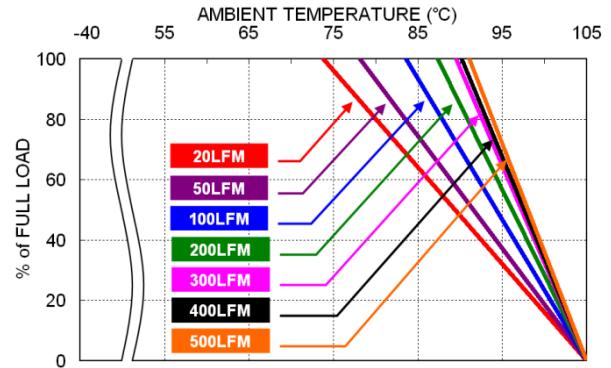


Typical Start-Up and Output Rise Characteristic
at Full Load



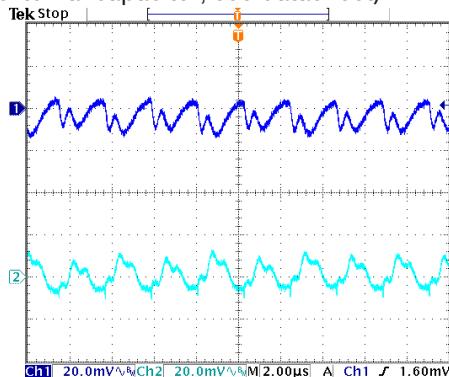
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



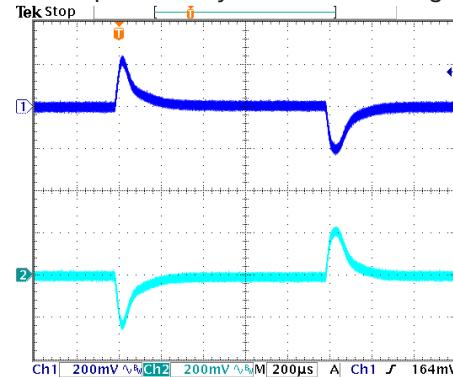
TMR 12-1222WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1222WI

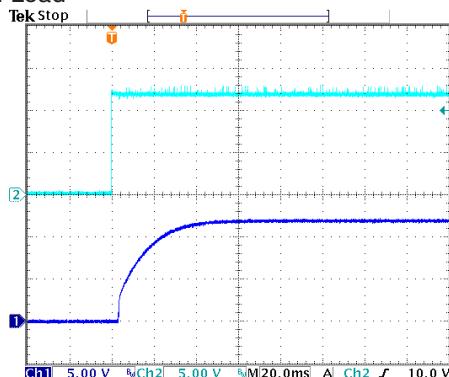
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



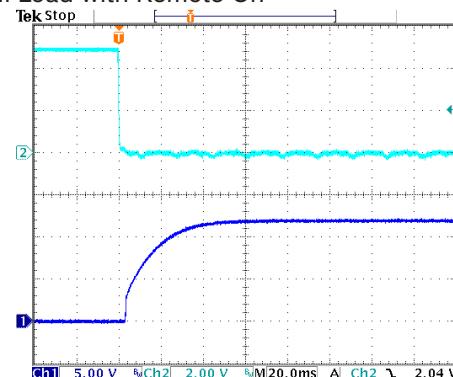
Transient Response to Dynamic Load Change (25%)

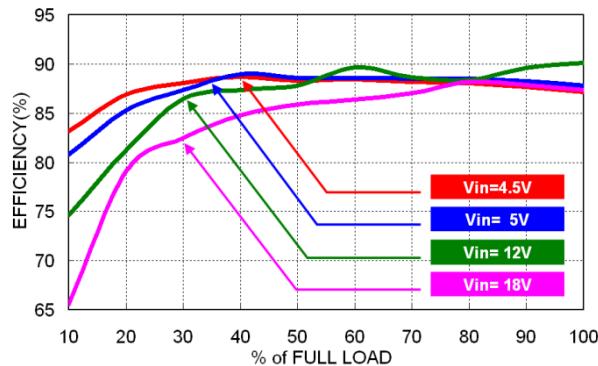
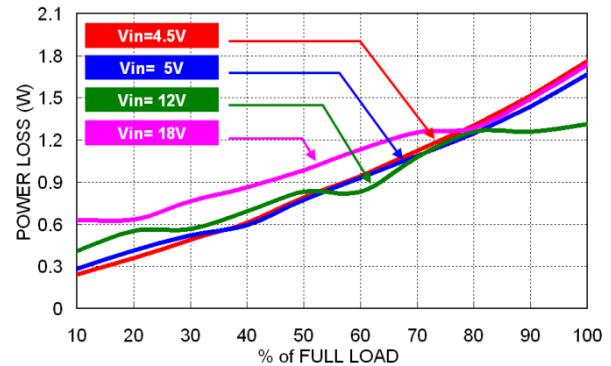
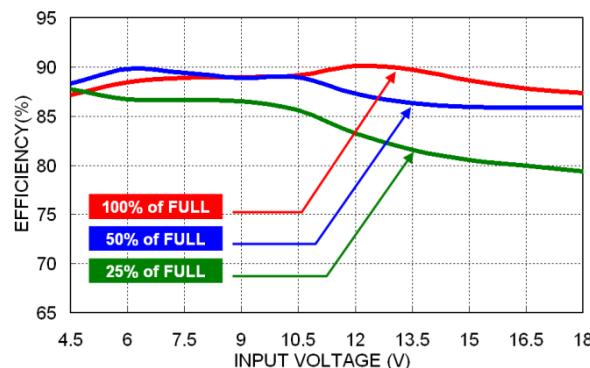
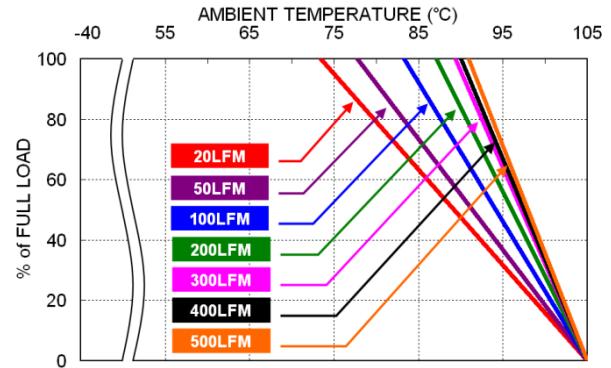


Typical Start-Up and Output Rise Characteristic
at Full Load



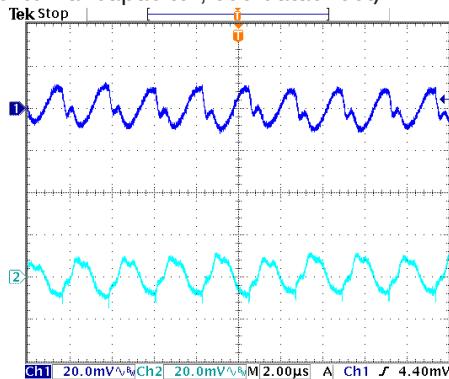
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



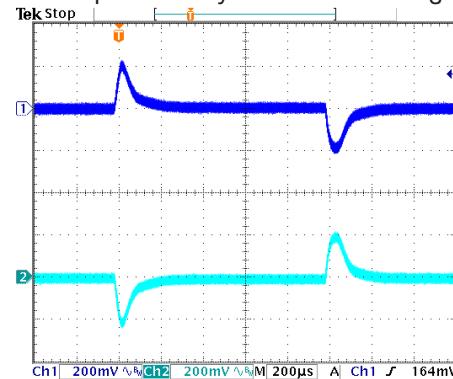
TMR 12-1223WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-1223WI

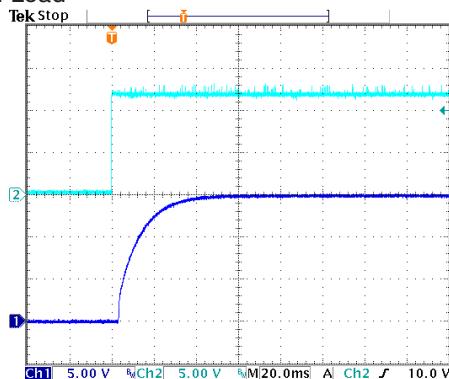
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



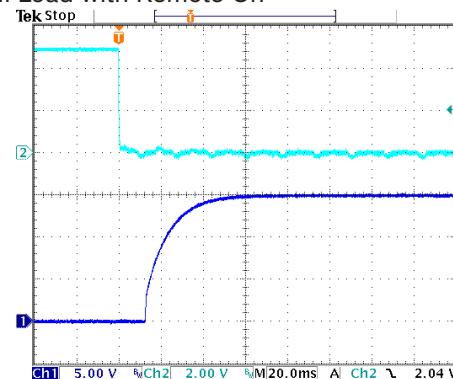
Transient Response to Dynamic Load Change (25%)

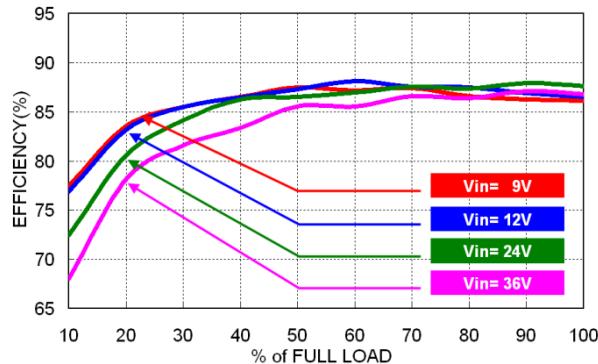
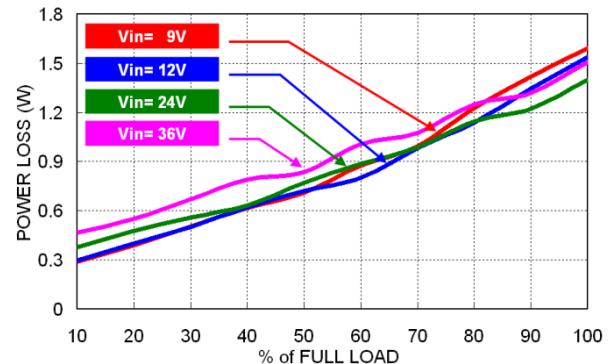
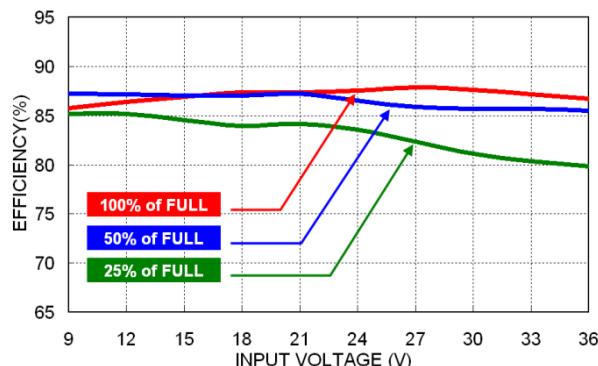
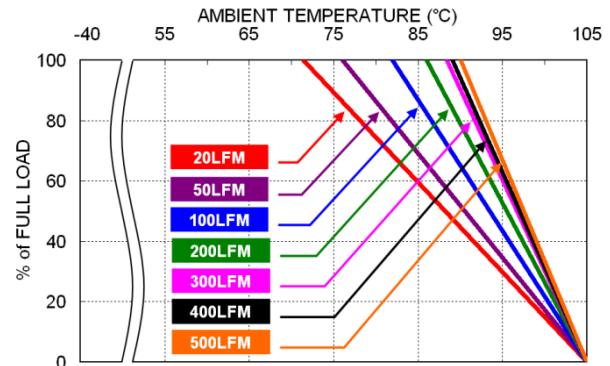


Typical Start-Up and Output Rise Characteristic
at Full Load



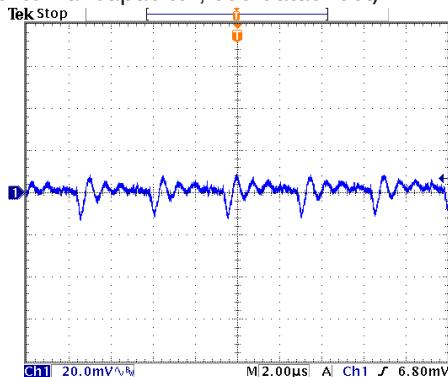
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



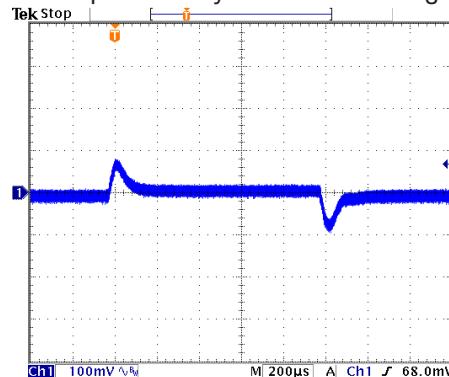
TMR 12-2410WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-2410WI

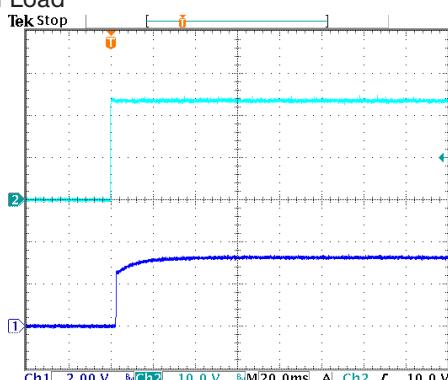
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



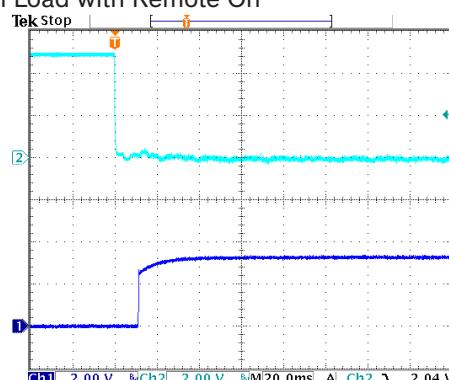
Transient Response to Dynamic Load Change (25%)

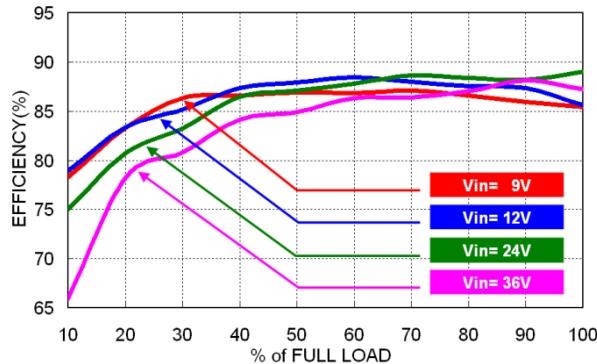
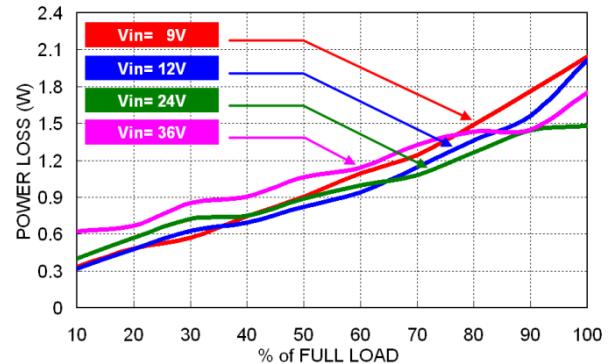
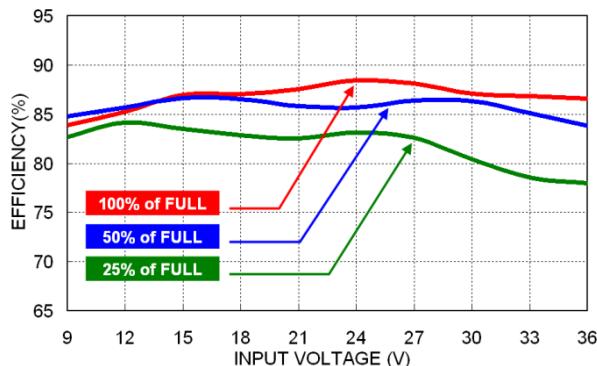
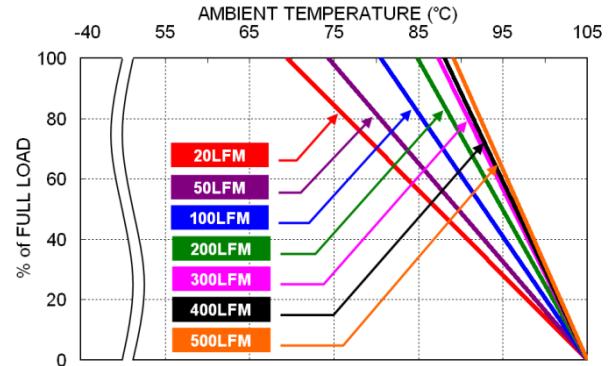


Typical Start-Up and Output Rise Characteristic
at Full Load



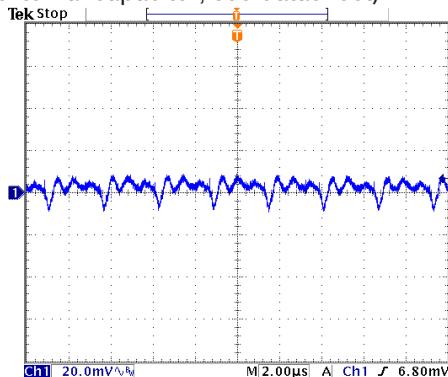
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



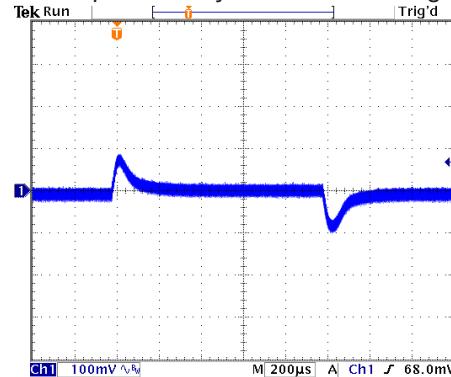
TMR 12-2411WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-2411WI

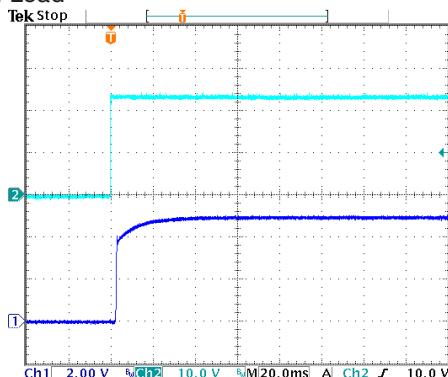
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



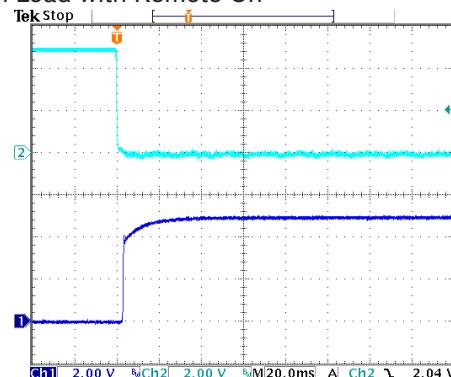
Transient Response to Dynamic Load Change (25%)

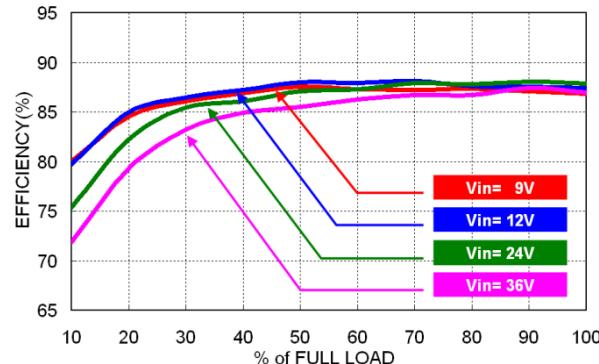
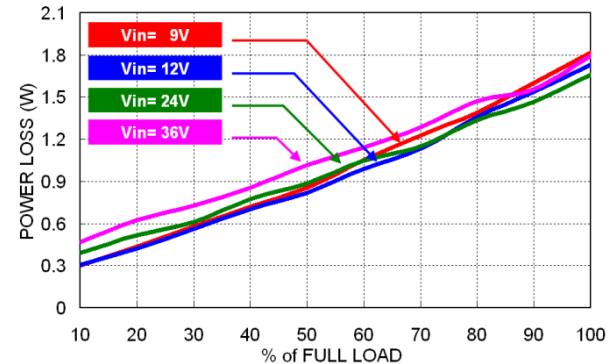
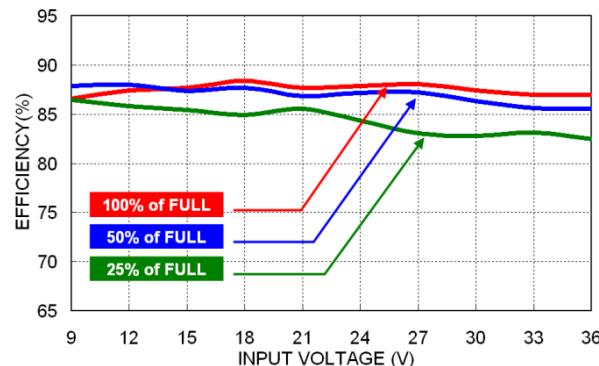
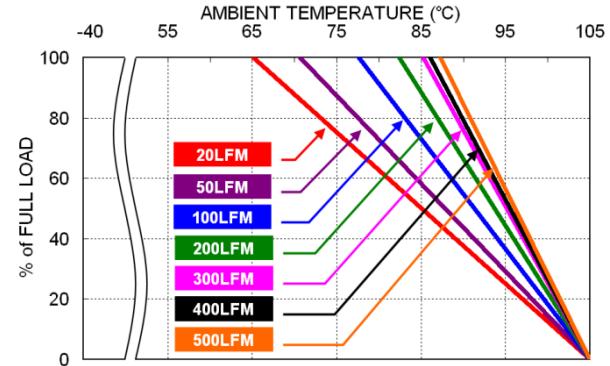


Typical Start-Up and Output Rise Characteristic
at Full Load



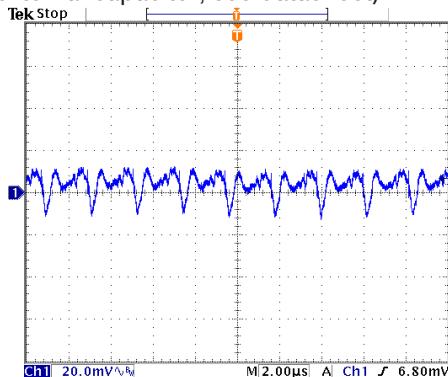
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



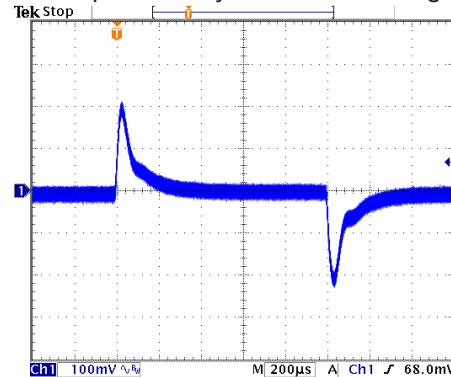
On Demand model with 24 Vin and 9 Vout
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


On Demand model with 24 Vin and 9 Vout

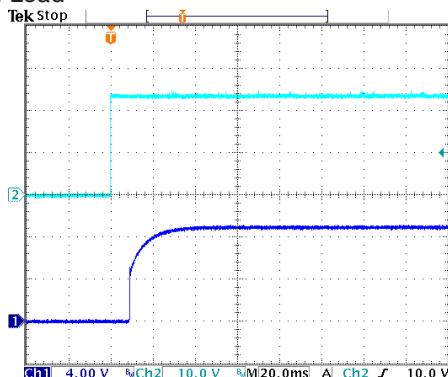
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



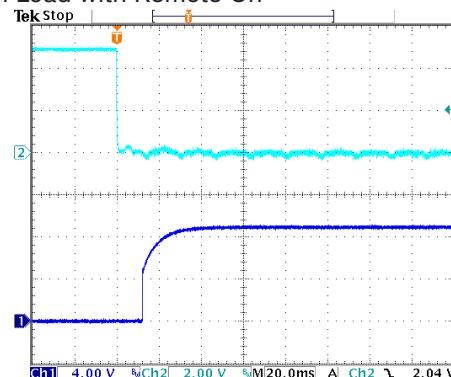
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

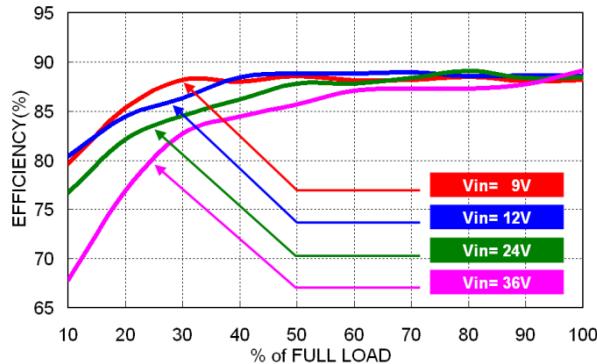


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

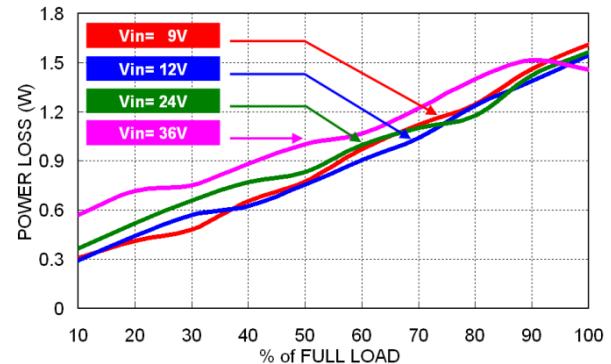


TMR 12-2412WI

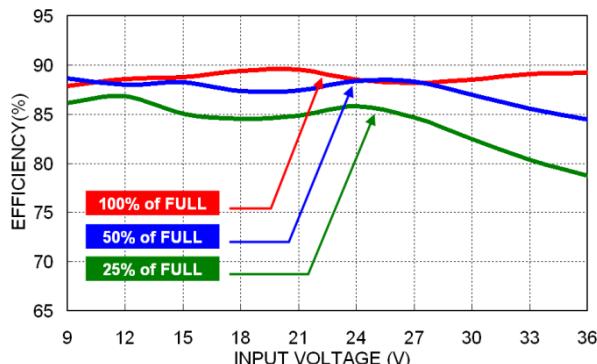
Efficiency versus Output Load



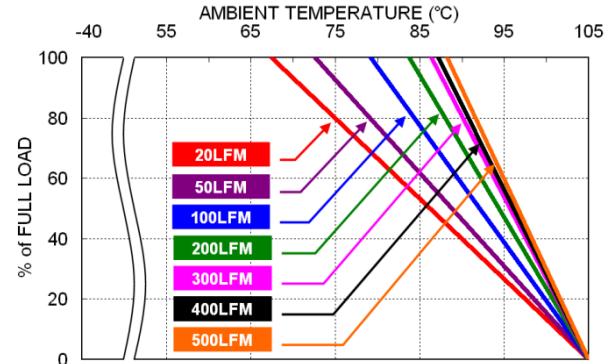
Power Dissipation versus Output Load



Efficiency versus Input Voltage

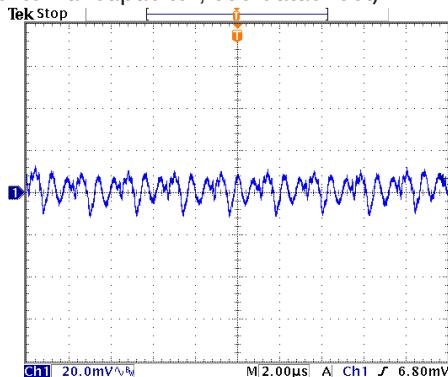


Derating Output Load versus Ambient Temperature

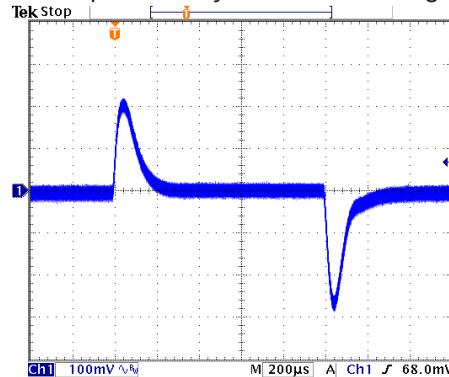


TMR 12-2412WI

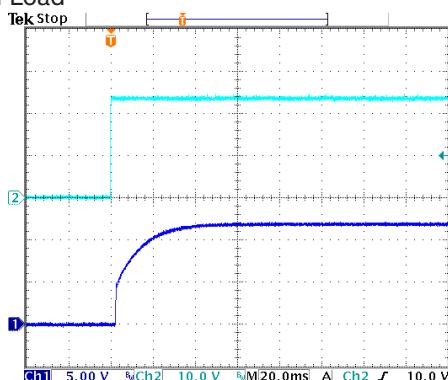
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



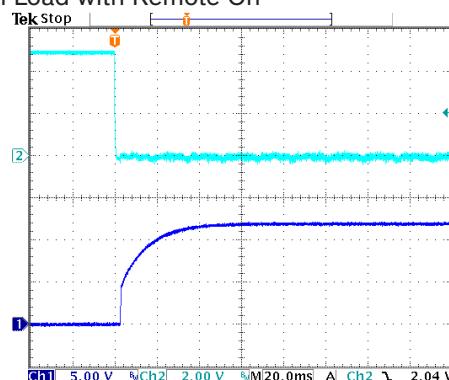
Transient Response to Dynamic Load Change (25%)

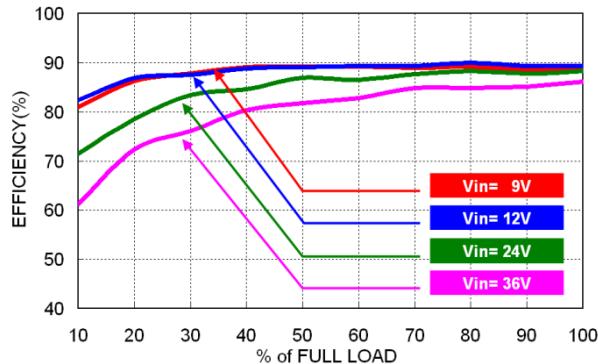
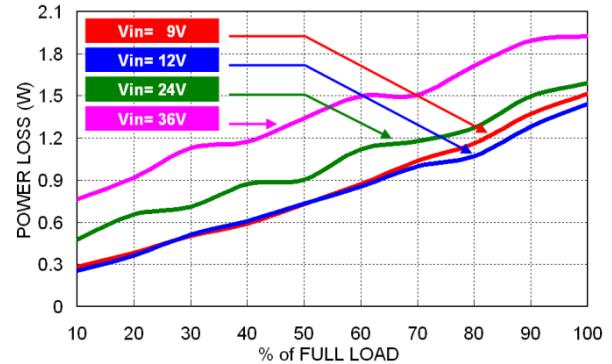
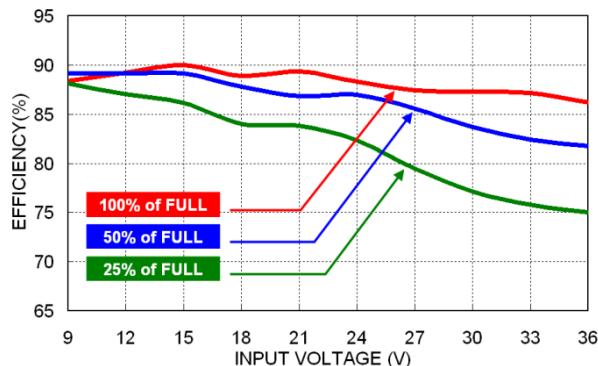
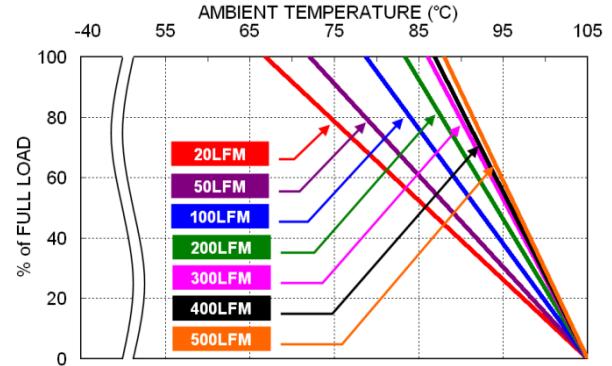


Typical Start-Up and Output Rise Characteristic
at Full Load



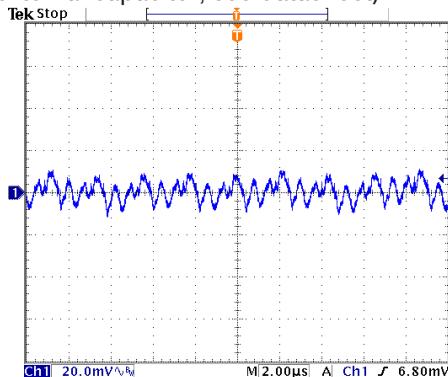
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



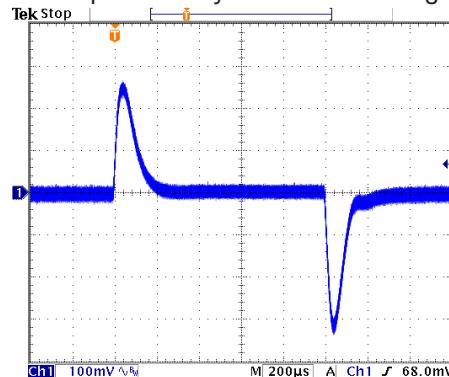
TMR 12-2413WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-2413WI

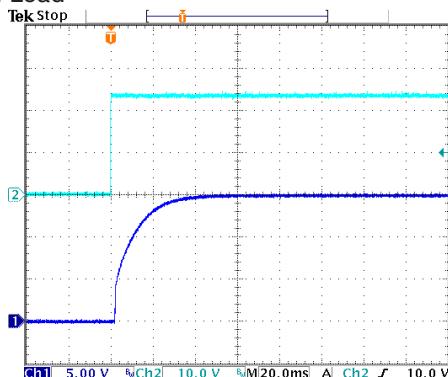
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



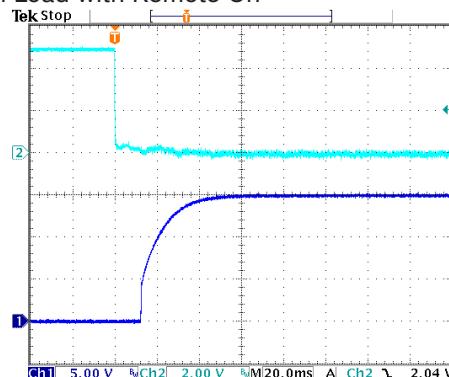
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

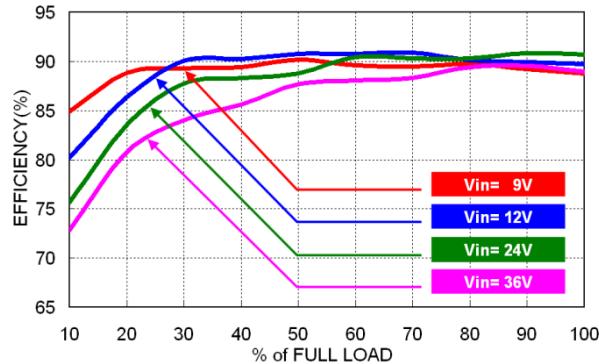


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

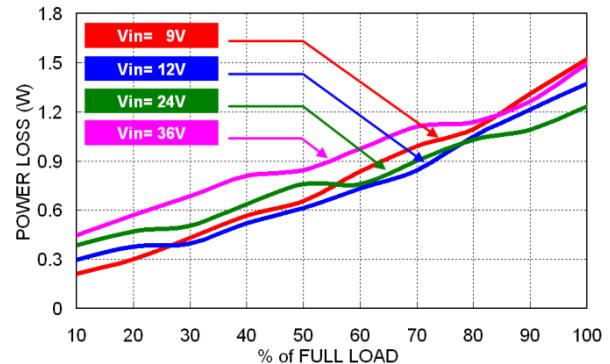


TMR 12-2415WI

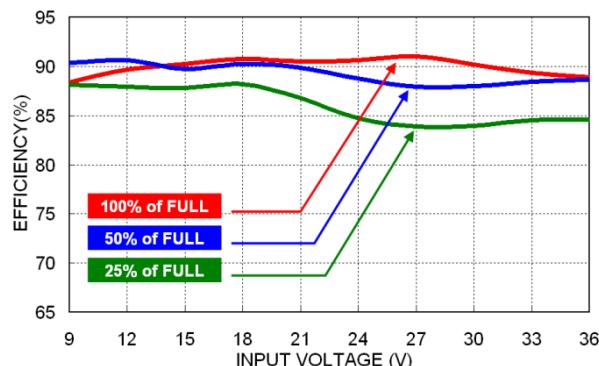
Efficiency versus Output Load



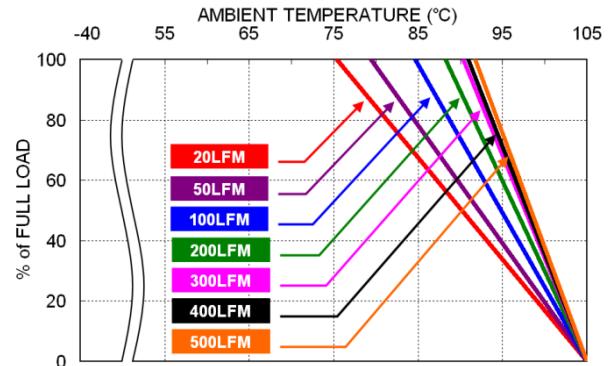
Power Dissipation versus Output Load



Efficiency versus Input Voltage

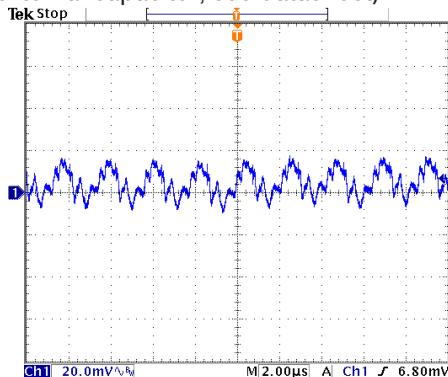


Derating Output Load versus Ambient Temperature

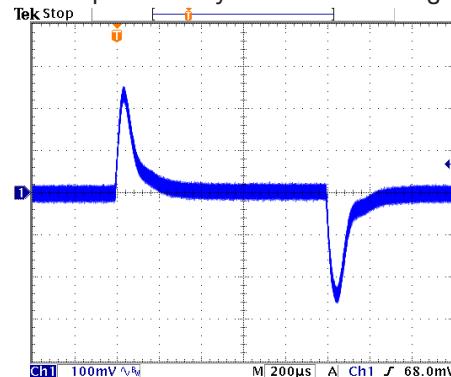


TMR 12-2415WI

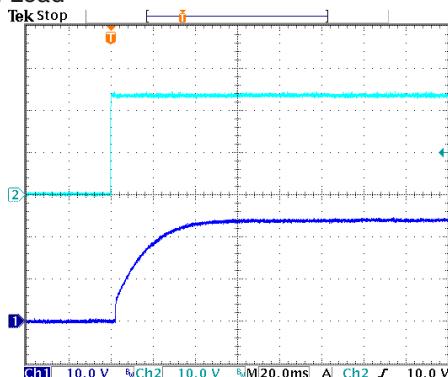
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



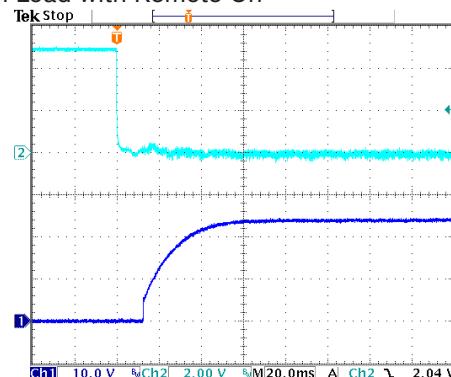
Transient Response to Dynamic Load Change (25%)

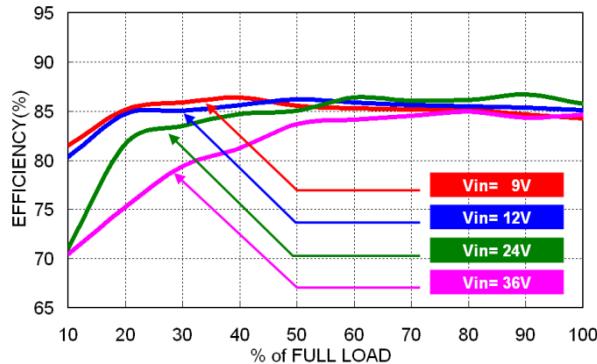
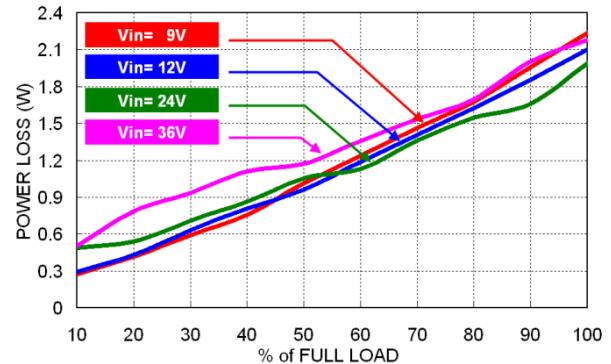
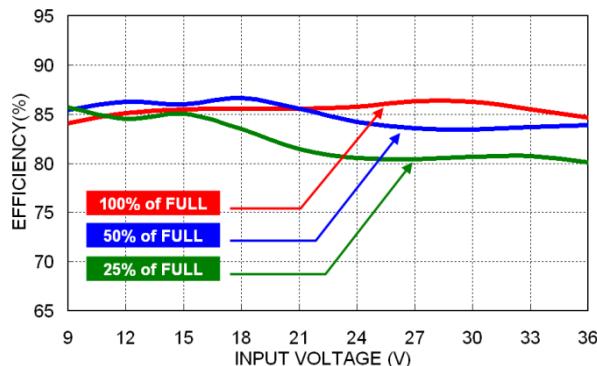
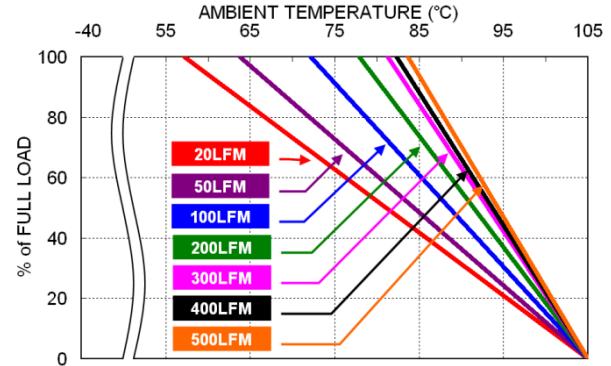


Typical Start-Up and Output Rise Characteristic
at Full Load



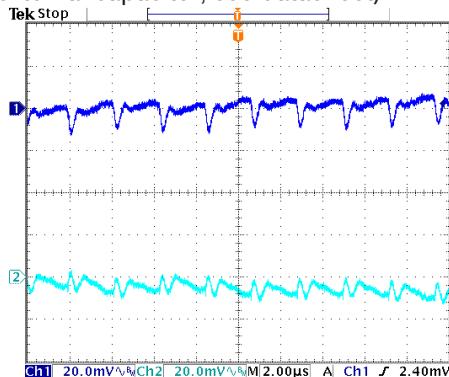
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



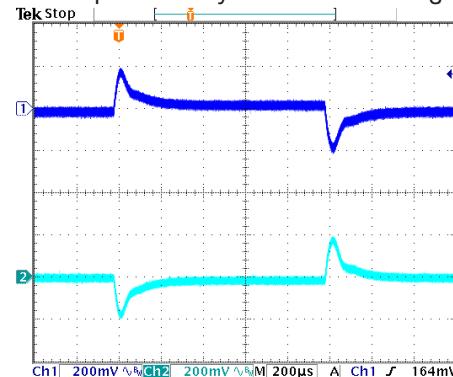
TMR 12-2421WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-2421WI

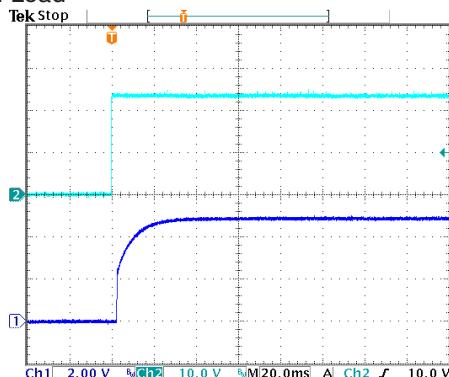
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



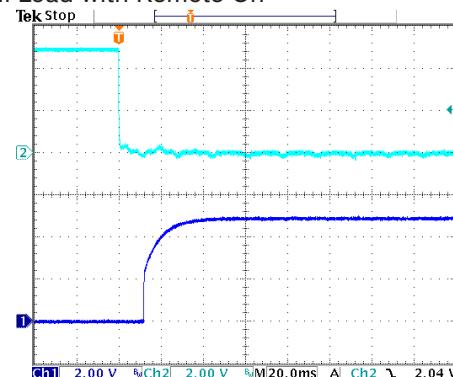
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

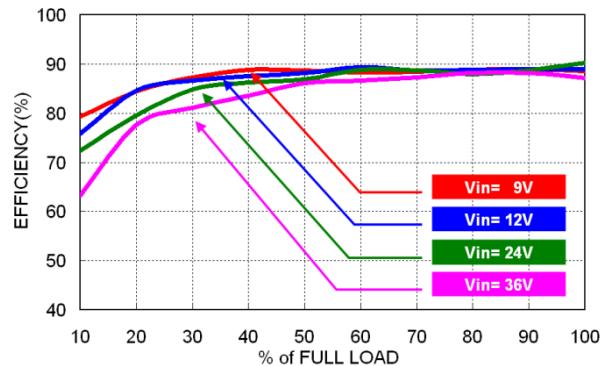


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

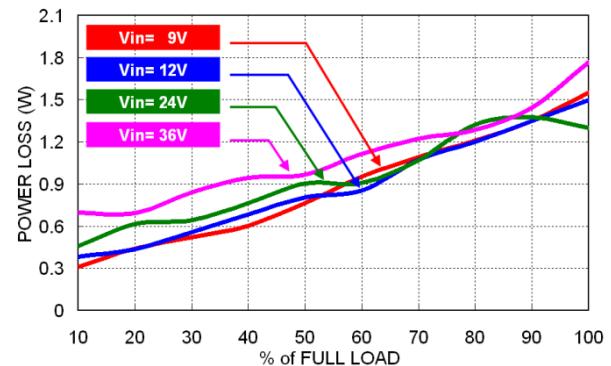


TMR 12-2422WI

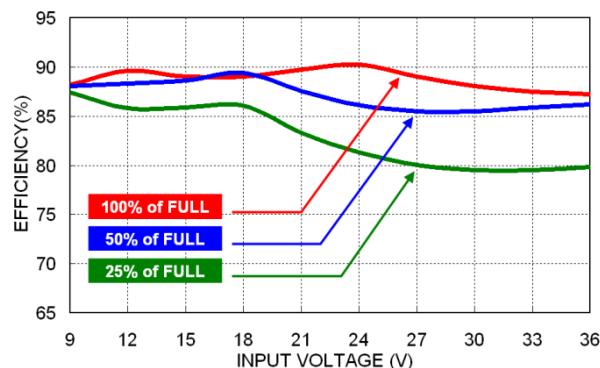
Efficiency versus Output Load



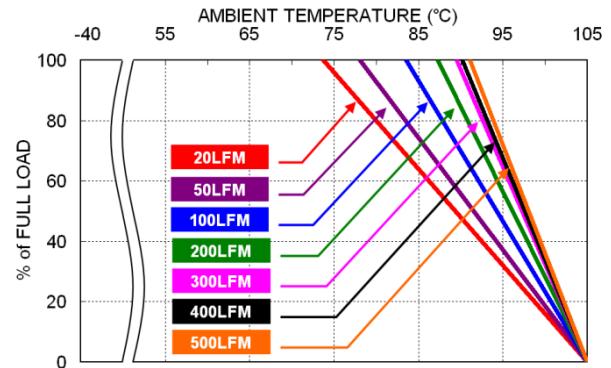
Power Dissipation versus Output Load



Efficiency versus Input Voltage

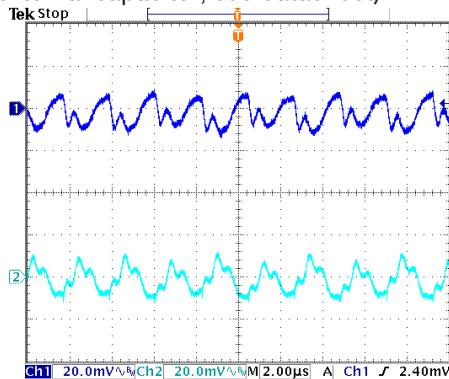


Derating Output Load versus Ambient Temperature

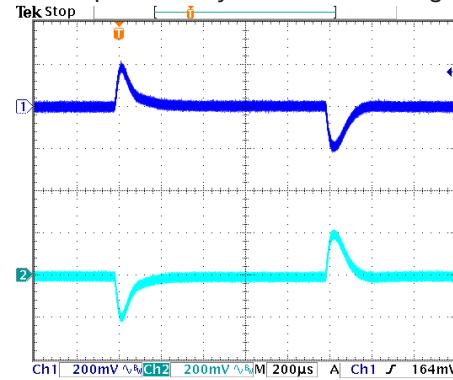


TMR 12-2422WI

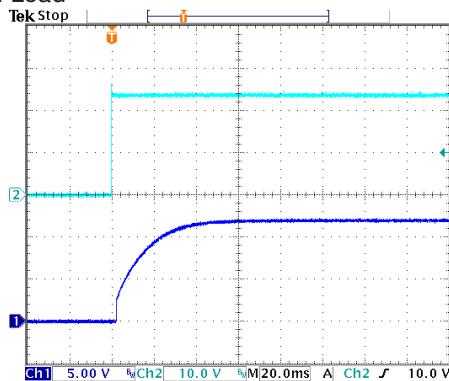
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



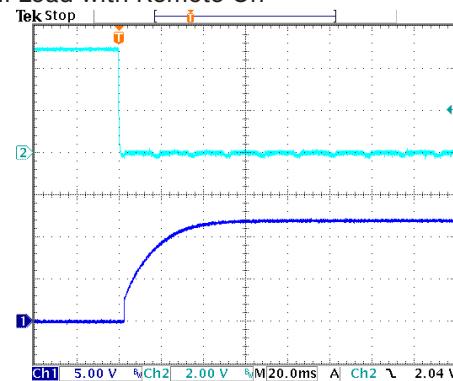
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

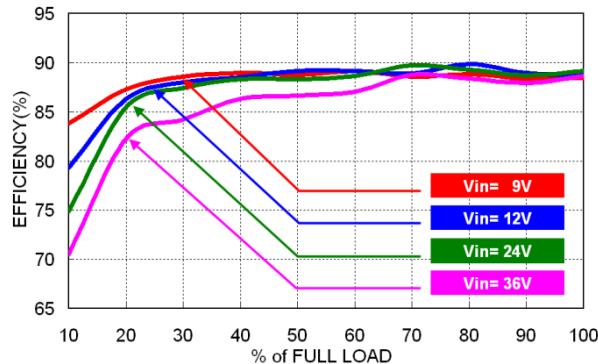


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

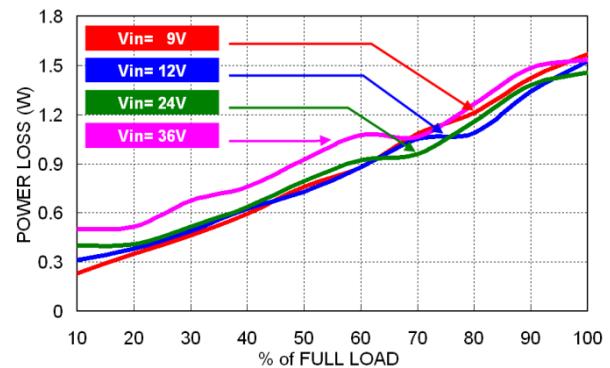


TMR 12-2423WI

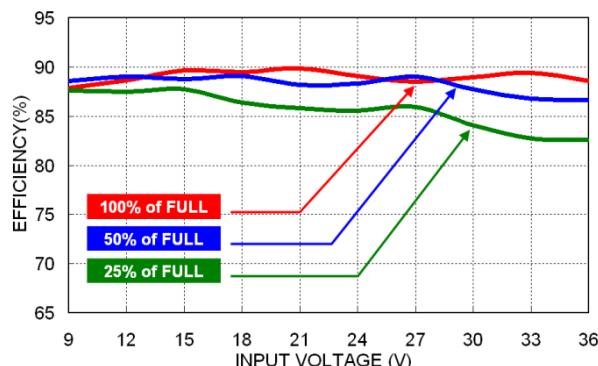
Efficiency versus Output Load



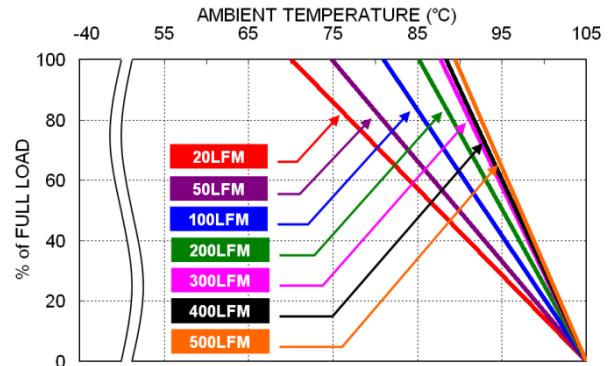
Power Dissipation versus Output Load



Efficiency versus Input Voltage

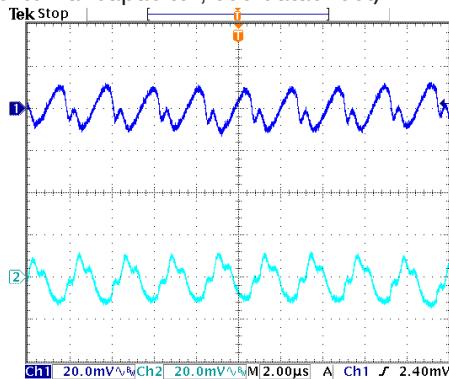


Derating Output Load versus Ambient Temperature

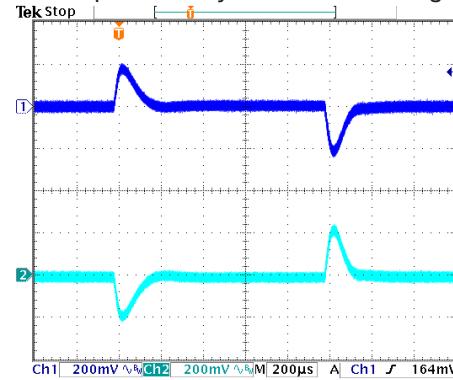


TMR 12-2423WI

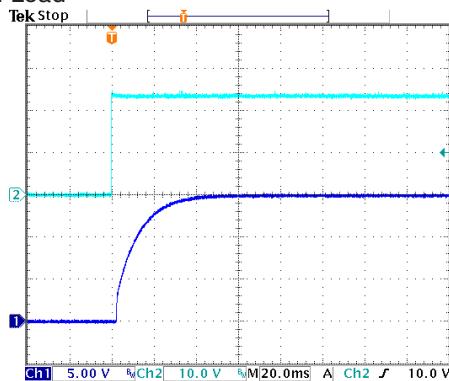
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



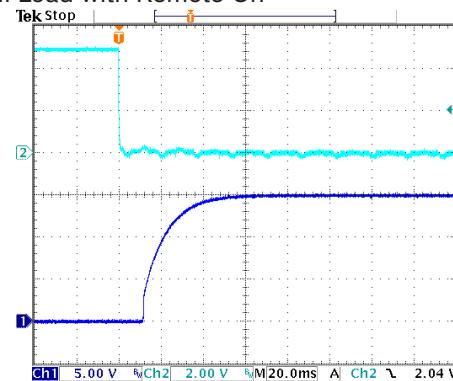
Transient Response to Dynamic Load Change (25%)

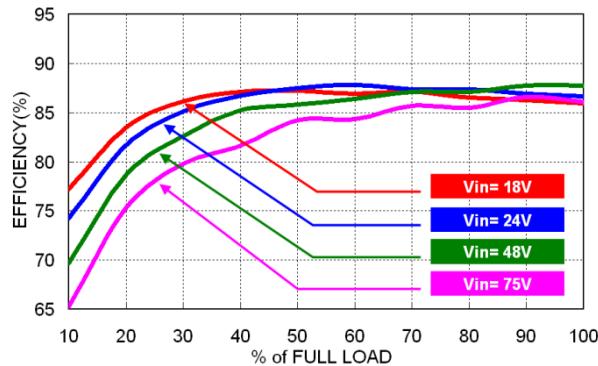
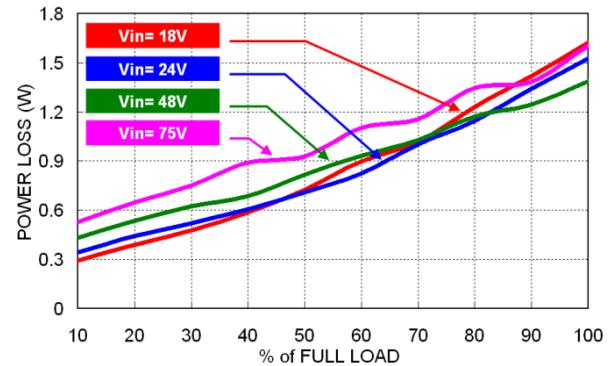
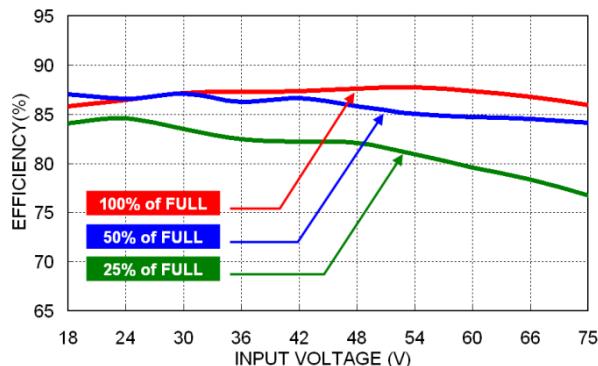
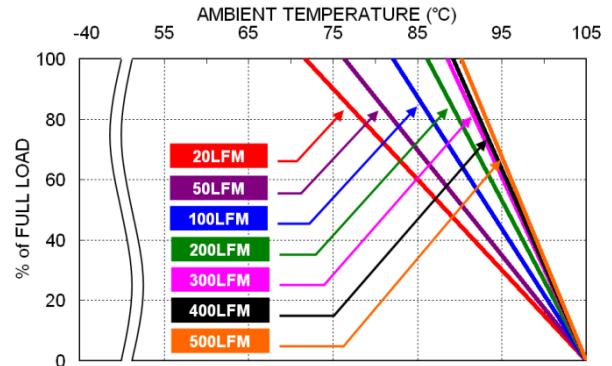


Typical Start-Up and Output Rise Characteristic
at Full Load



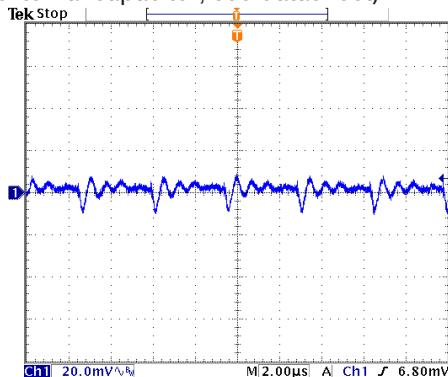
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



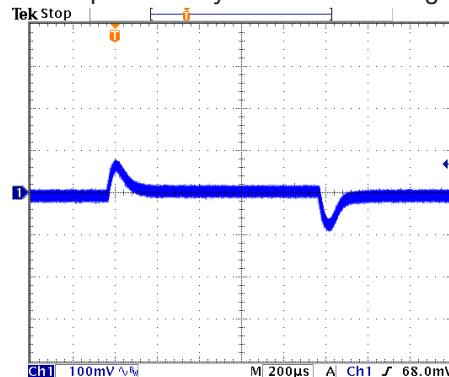
TMR 12-4810WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-4810WI

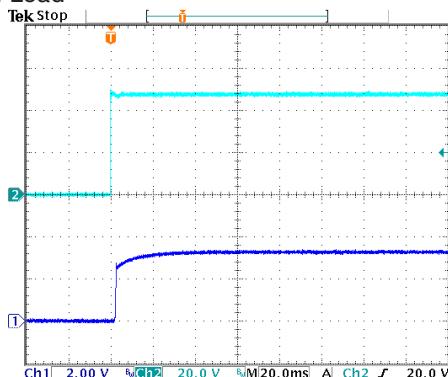
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



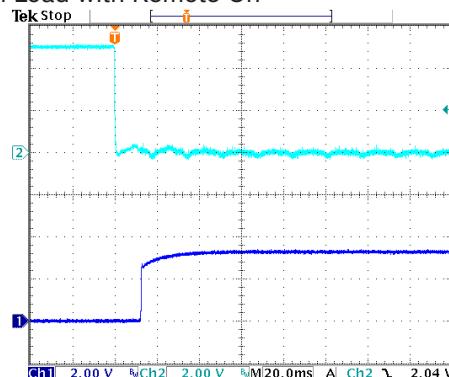
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

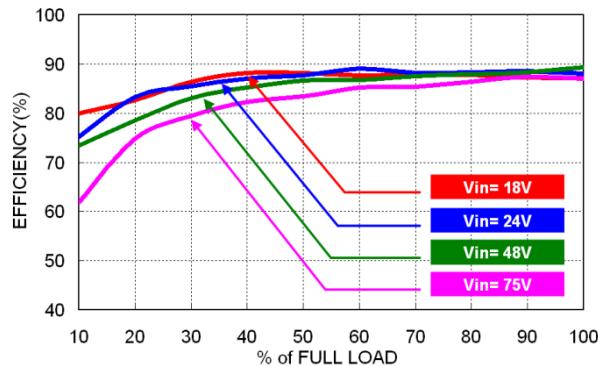


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

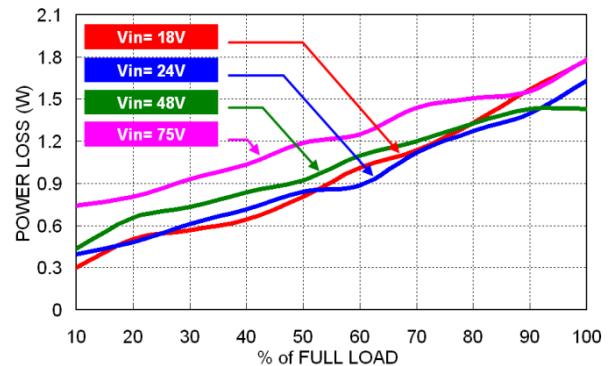


TMR 12-4811WI

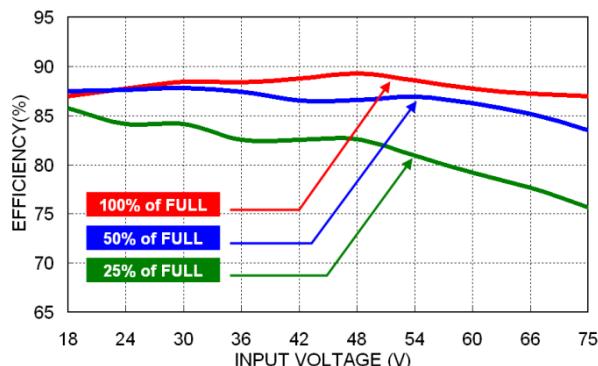
Efficiency versus Output Load



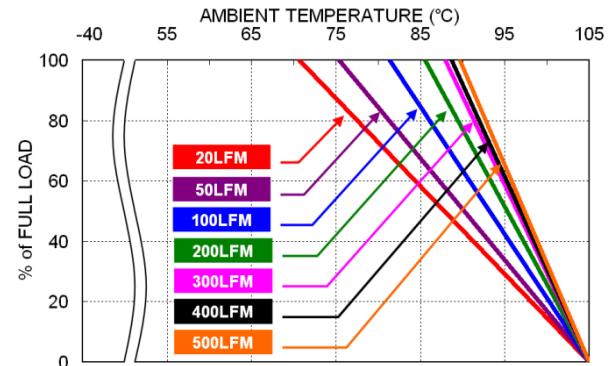
Power Dissipation versus Output Load



Efficiency versus Input Voltage

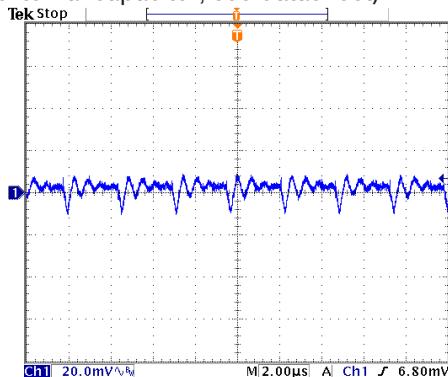


Derating Output Load versus Ambient Temperature

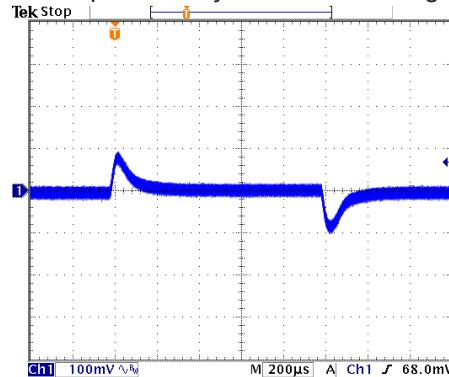


TMR 12-4811WI

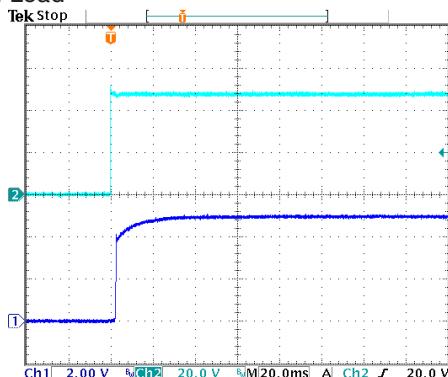
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



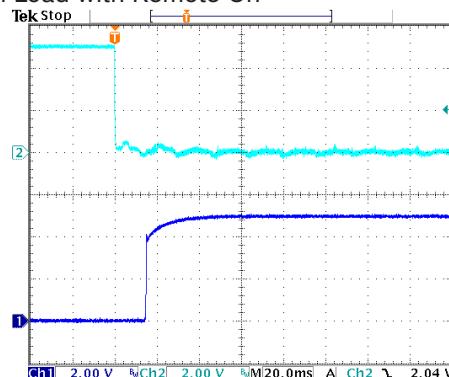
Transient Response to Dynamic Load Change (25%)

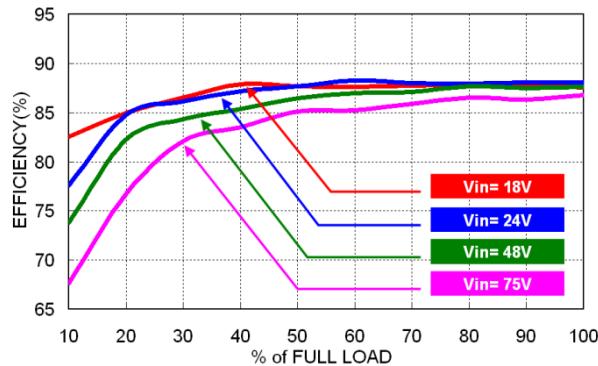
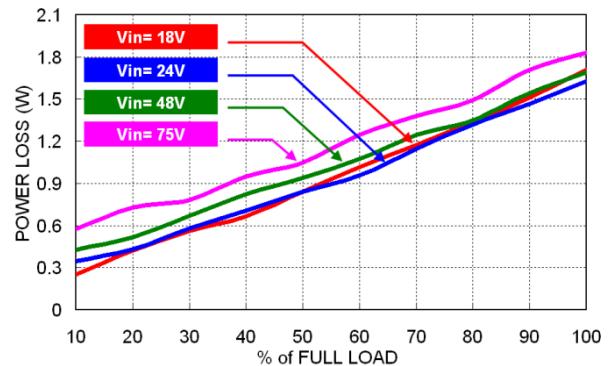
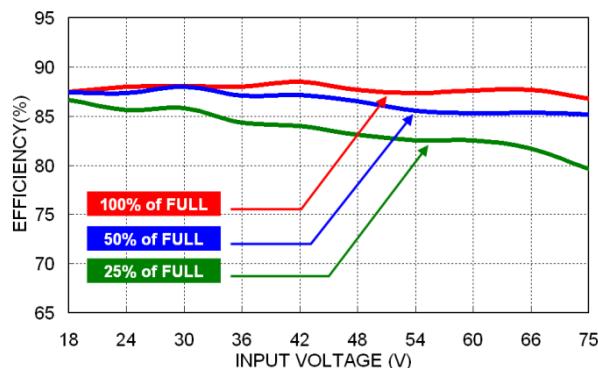
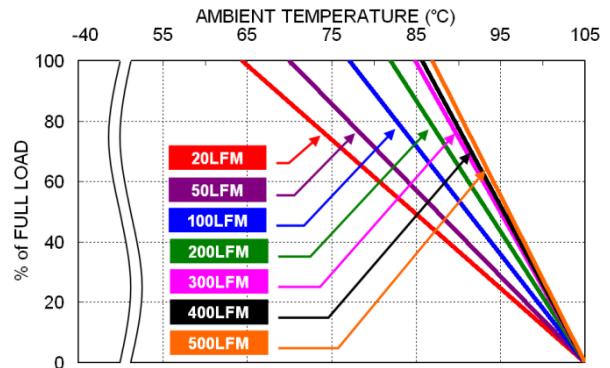


Typical Start-Up and Output Rise Characteristic
at Full Load



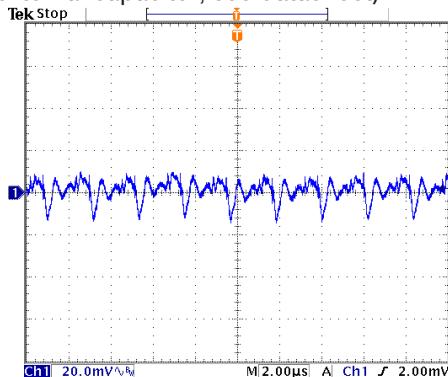
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



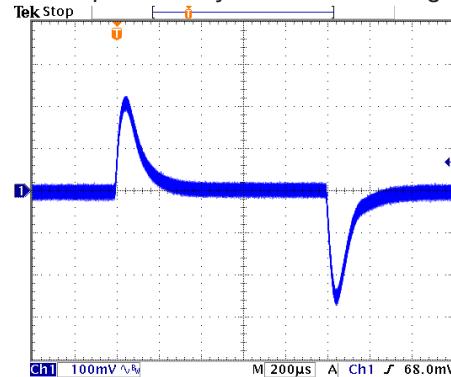
On Demand model with 48 Vin and 9 Vout
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


On Demand model with 48 Vin and 9 Vout

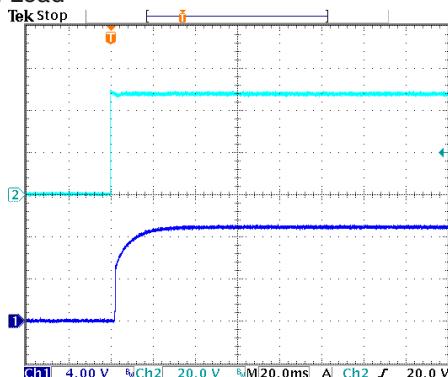
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



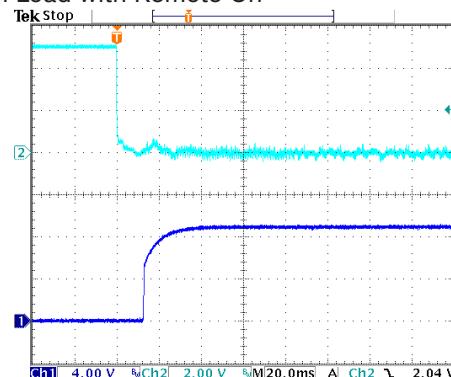
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

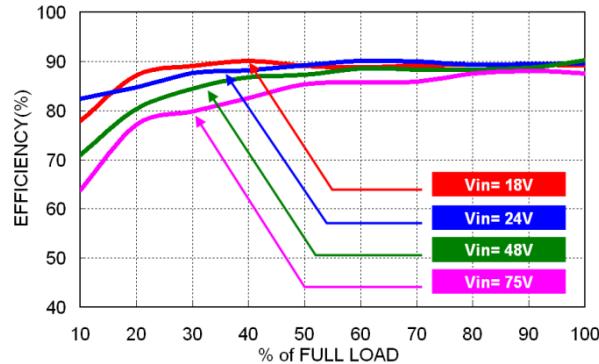


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

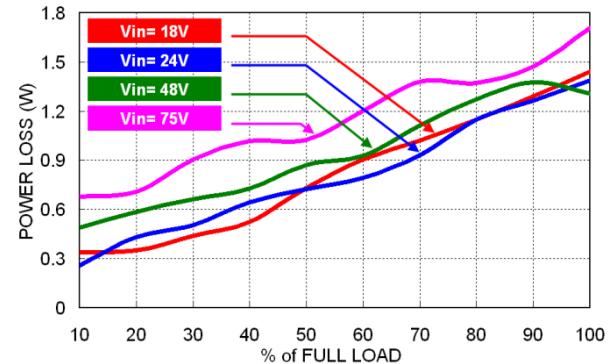


TMR 12-4812WI

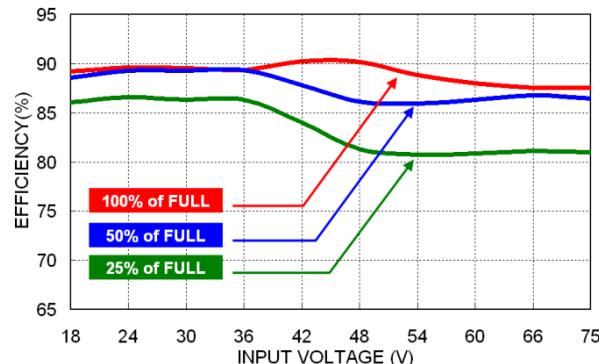
Efficiency versus Output Load



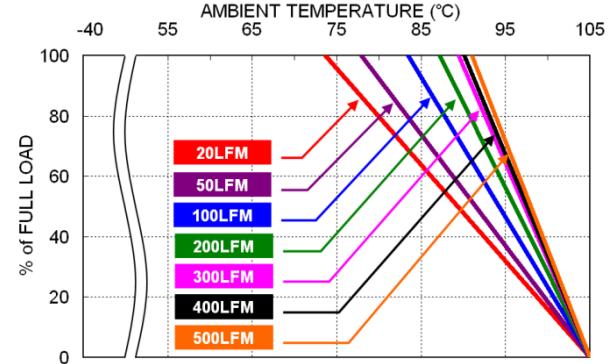
Power Dissipation versus Output Load



Efficiency versus Input Voltage

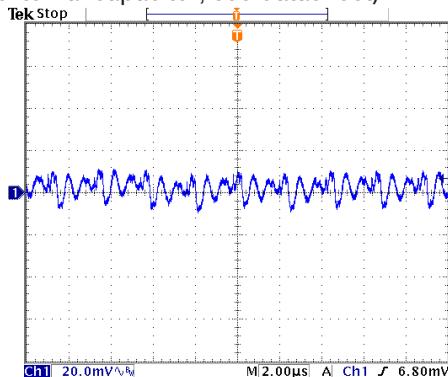


Derating Output Load versus Ambient Temperature

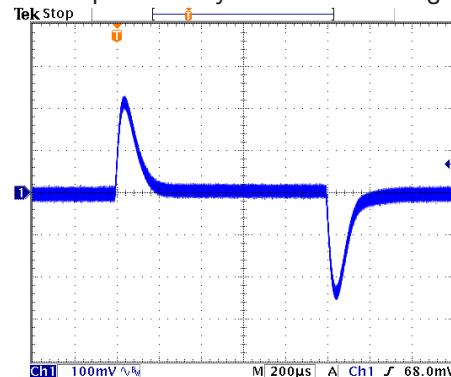


TMR 12-4812WI

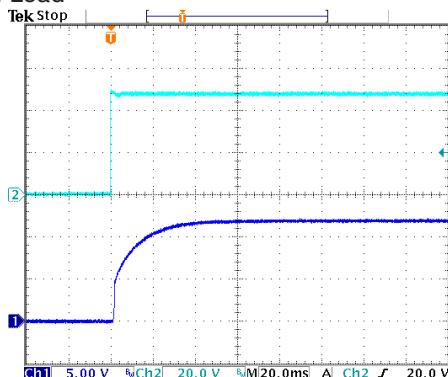
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



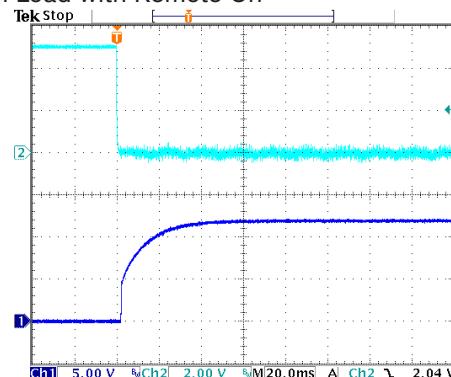
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

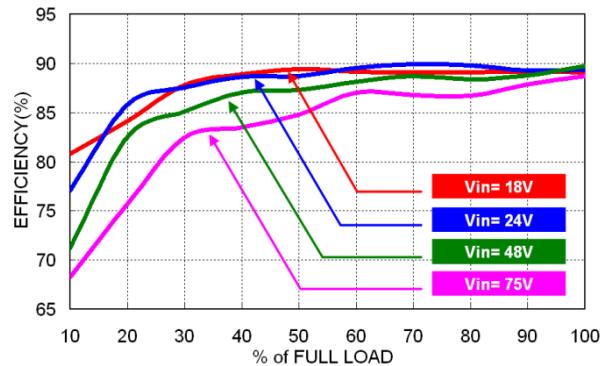


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

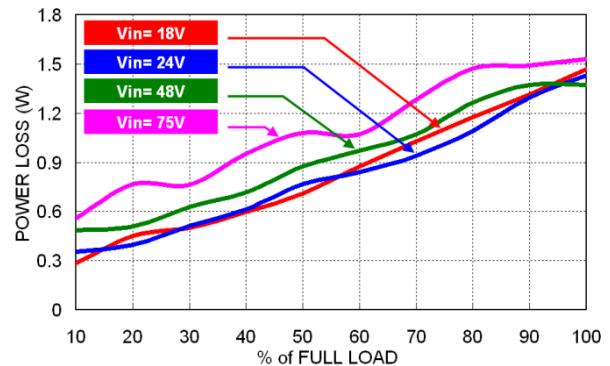


TMR 12-4813WI

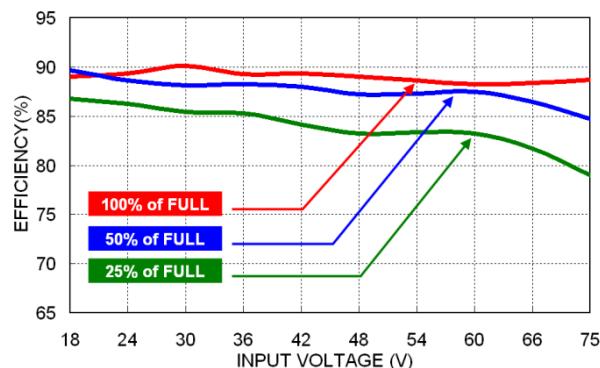
Efficiency versus Output Load



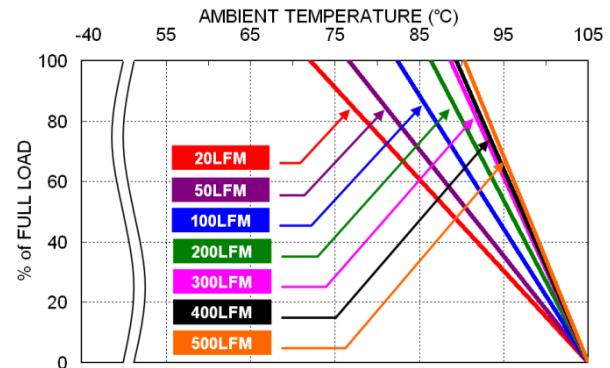
Power Dissipation versus Output Load



Efficiency versus Input Voltage

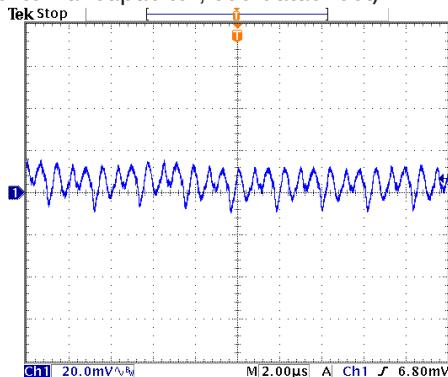


Derating Output Load versus Ambient Temperature

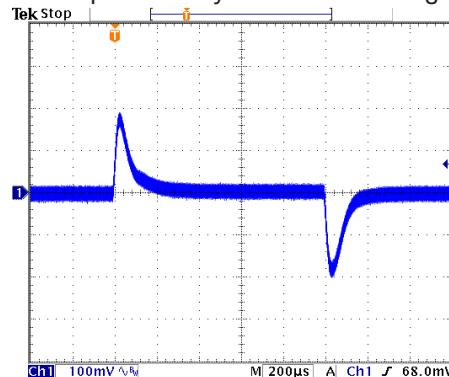


TMR 12-4813WI

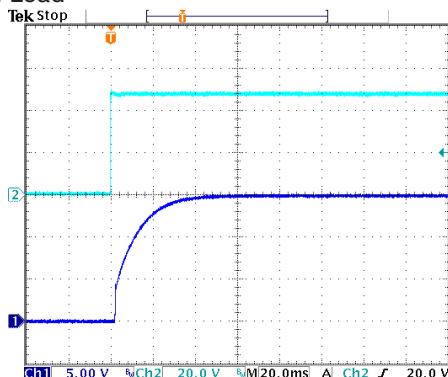
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



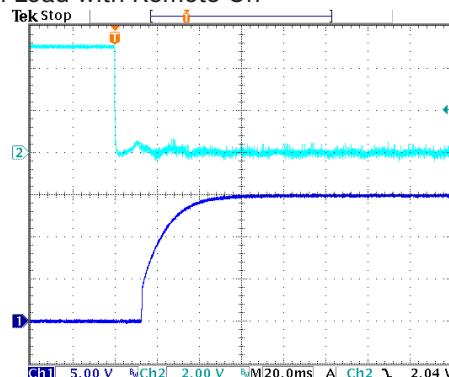
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

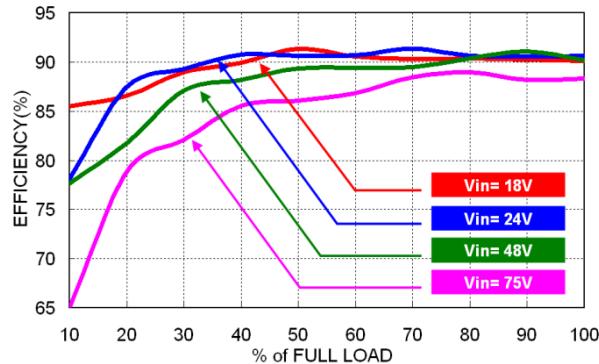


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

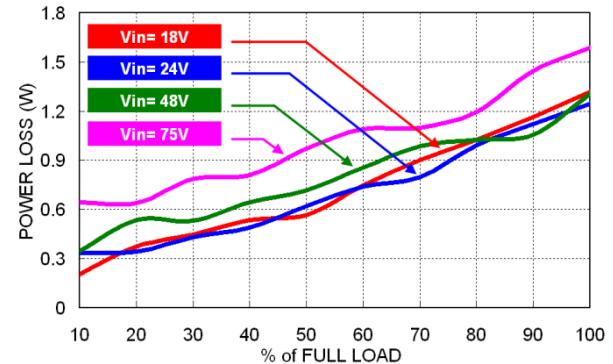


TMR 12-4815WI

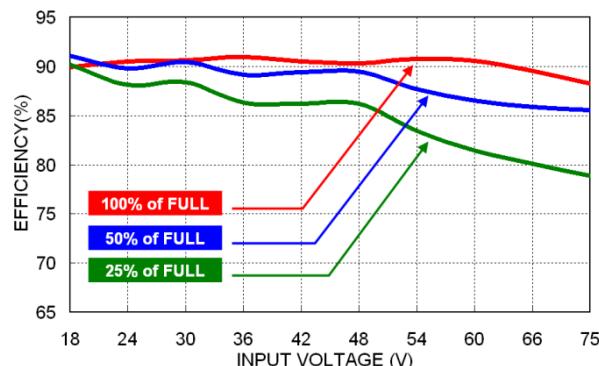
Efficiency versus Output Load



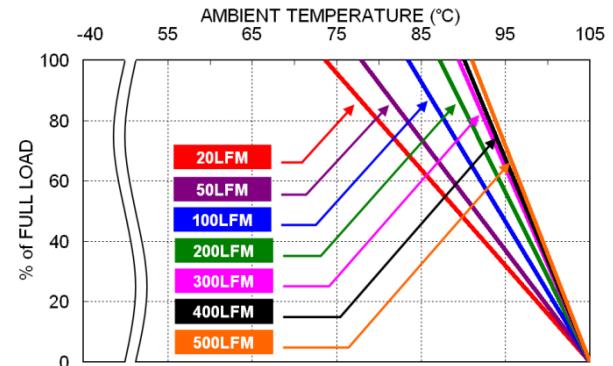
Power Dissipation versus Output Load



Efficiency versus Input Voltage

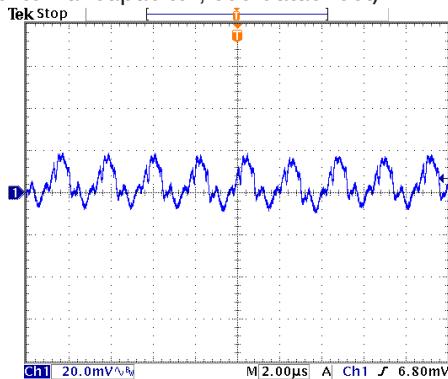


Derating Output Load versus Ambient Temperature

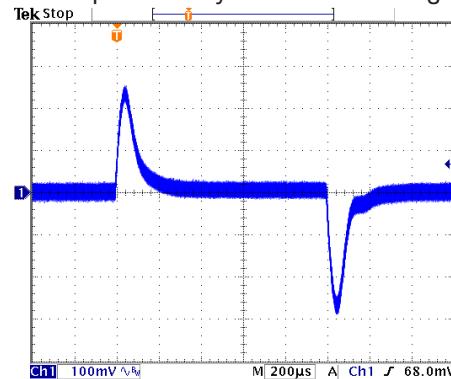


TMR 12-4815WI

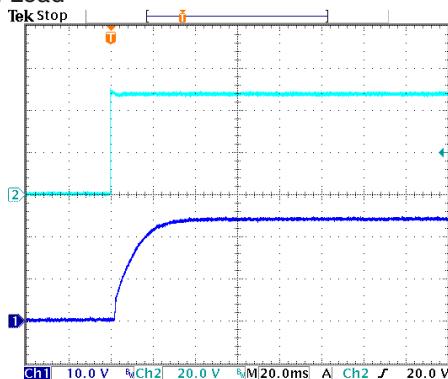
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



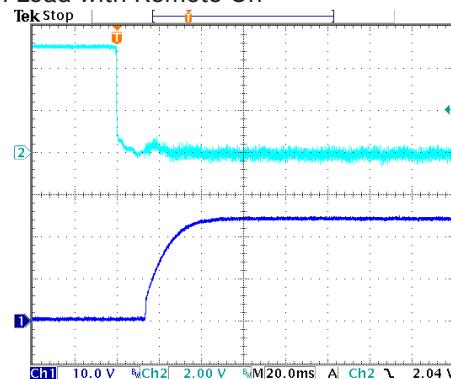
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

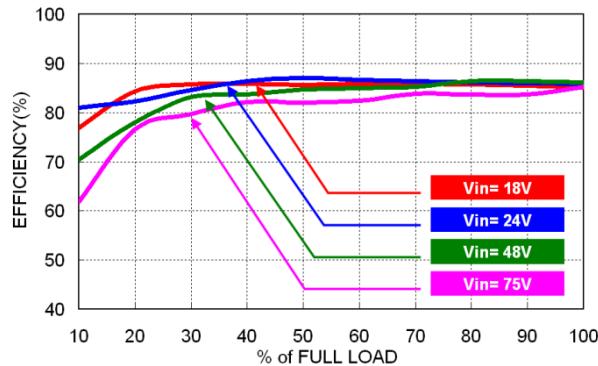


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

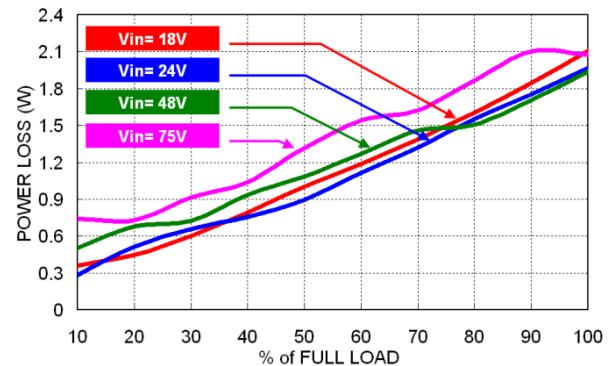


TMR 12-4821WI

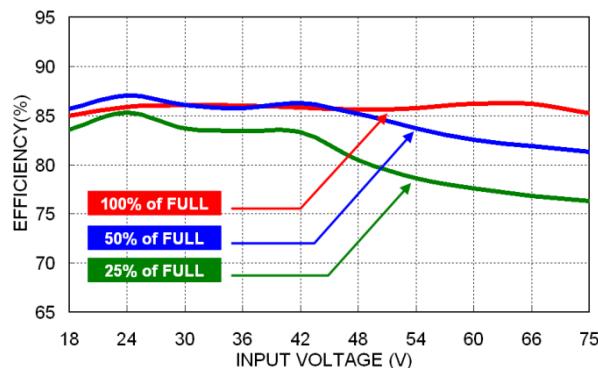
Efficiency versus Output Load



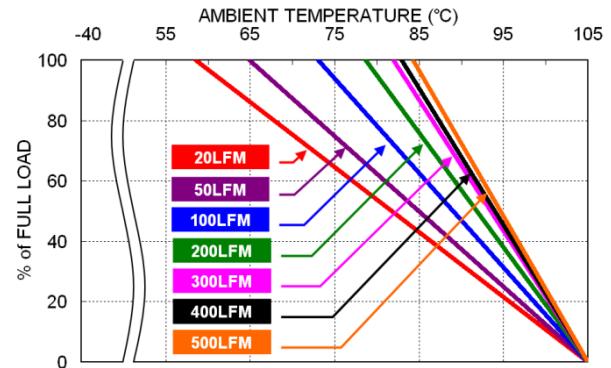
Power Dissipation versus Output Load



Efficiency versus Input Voltage

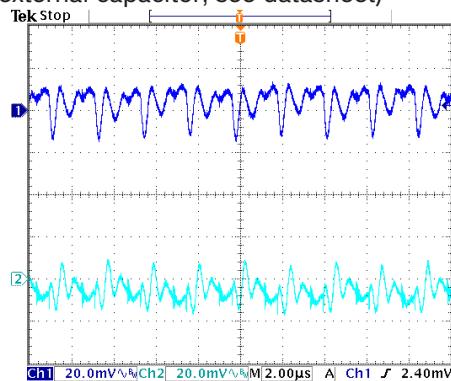


Derating Output Load versus Ambient Temperature

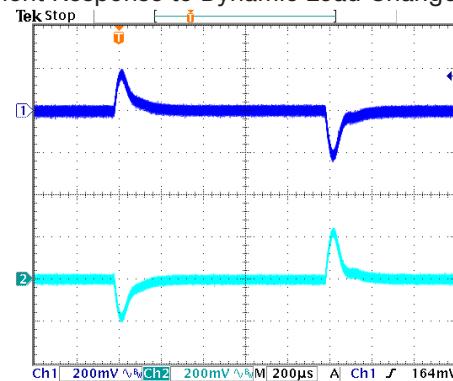


TMR 12-4821WI

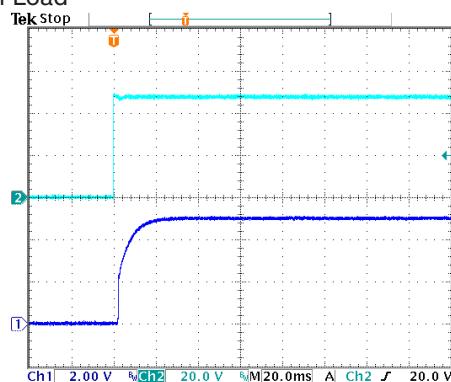
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



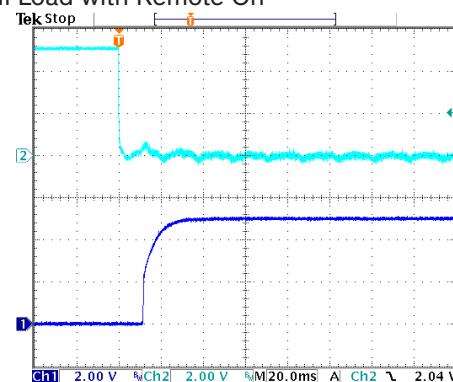
Transient Response to Dynamic Load Change (25%)

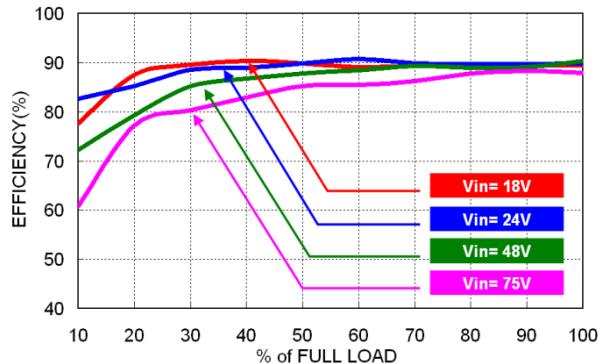
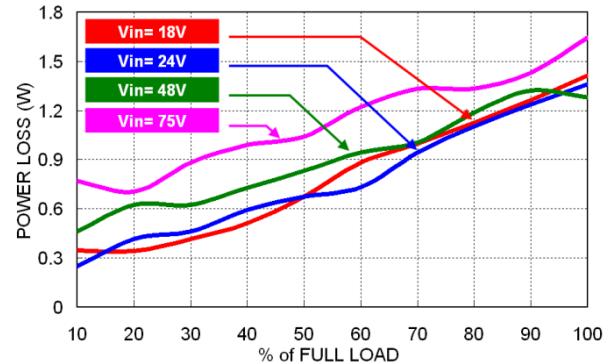
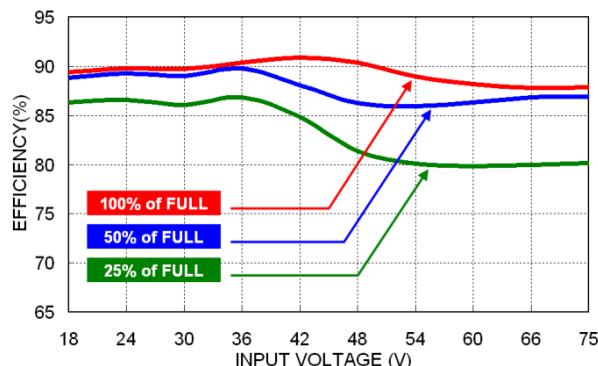
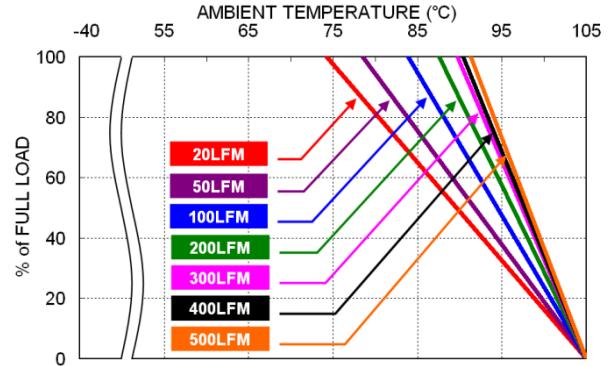


Typical Start-Up and Output Rise Characteristic
at Full Load



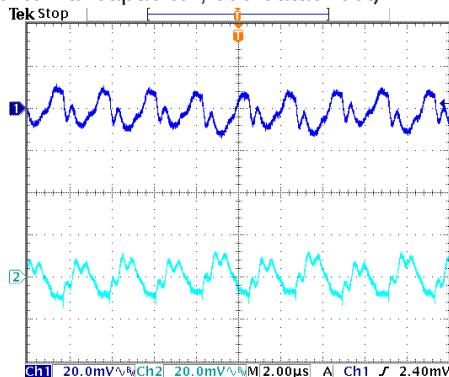
Typical Input/Output Start-Up Characteristic
at Full Load with Remote On



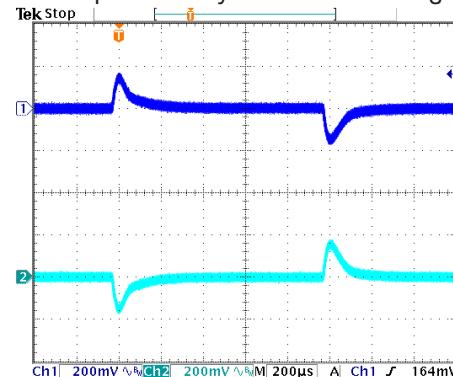
TMR 12-4822WI
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature


TMR 12-4822WI

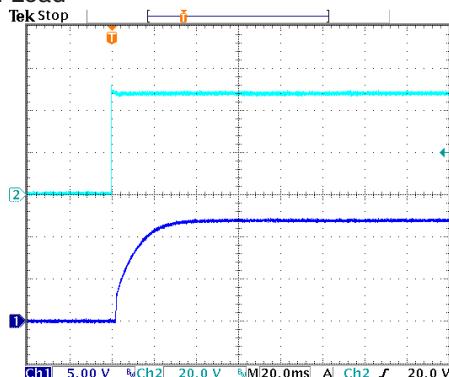
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



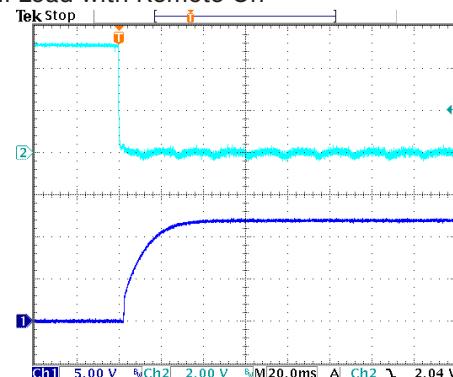
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load

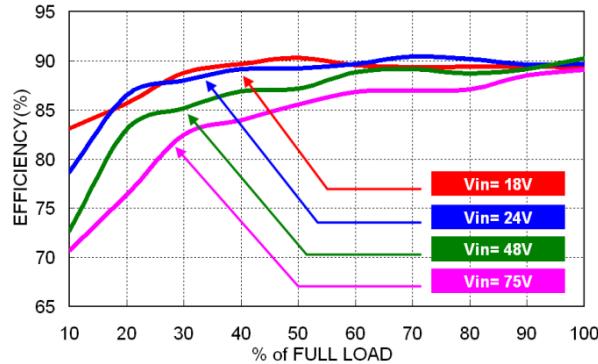


Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

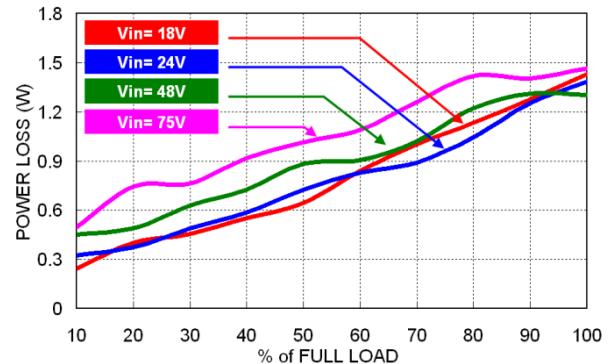


TMR 12-4823WI

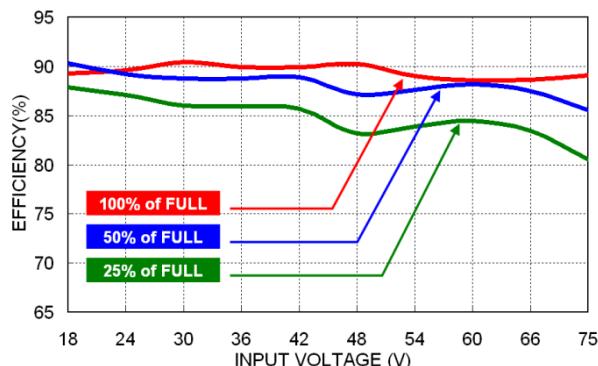
Efficiency versus Output Load



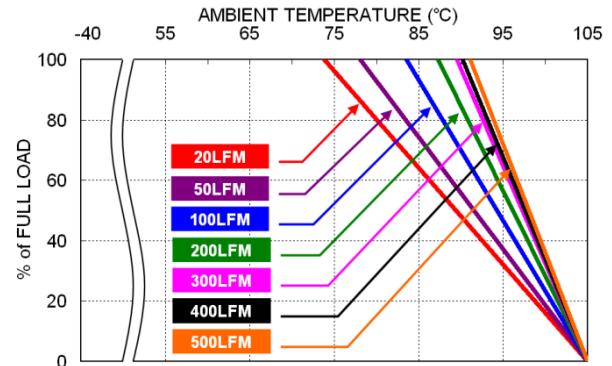
Power Dissipation versus Output Load



Efficiency versus Input Voltage

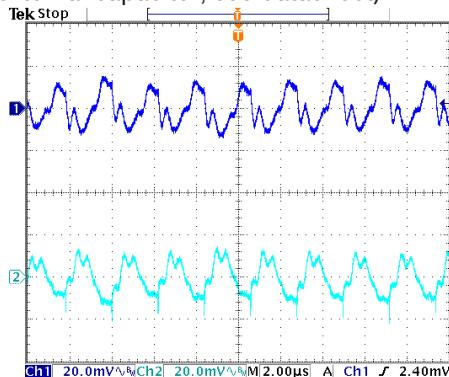


Derating Output Load versus Ambient Temperature

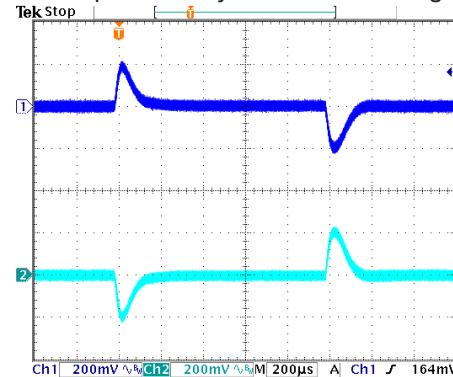


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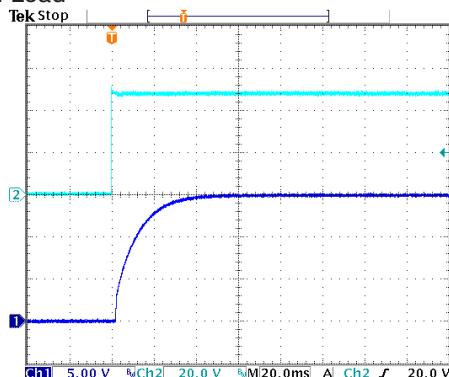
Typical Output Ripple and Noise
(with external capacitor; see datasheet)



Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic
at Full Load



Typical Input/Output Start-Up Characteristic
at Full Load with Remote On

