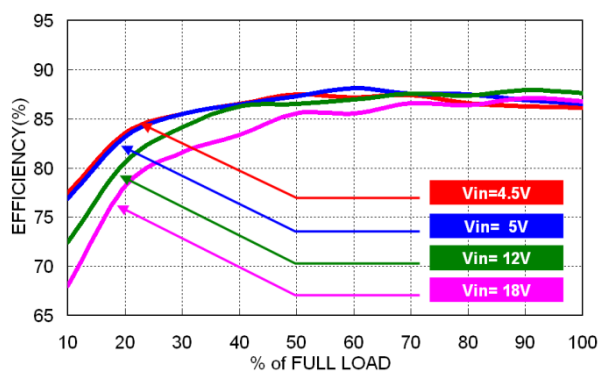


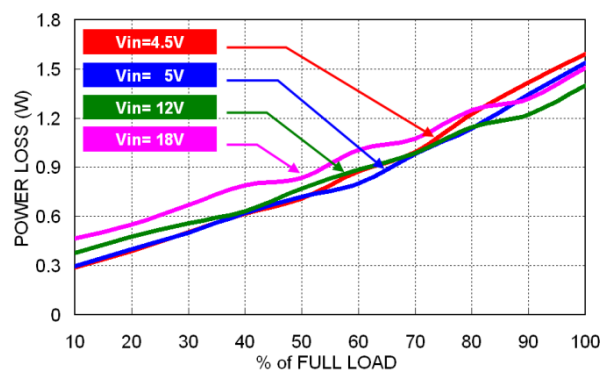
### Characteristic Curves

#### TMR 12-1210WI

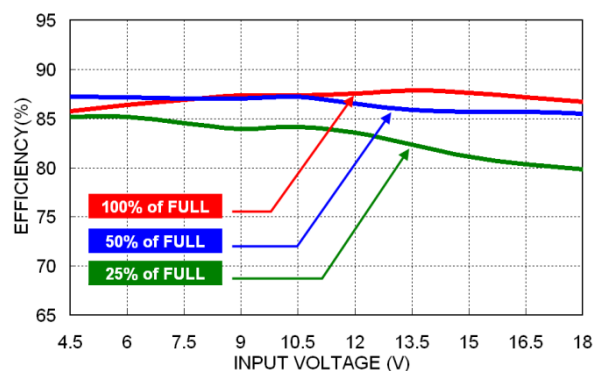
Efficiency versus Output Load



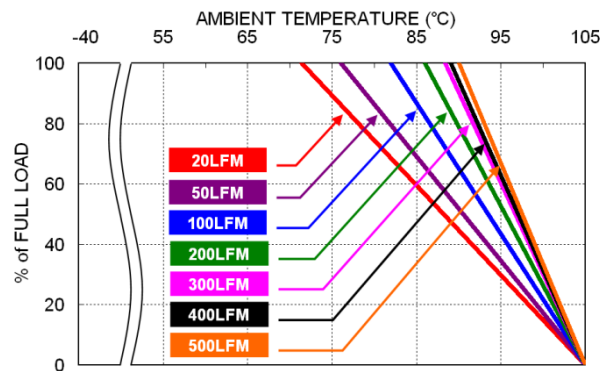
Power Dissipation versus Output Load



Efficiency versus Input Voltage

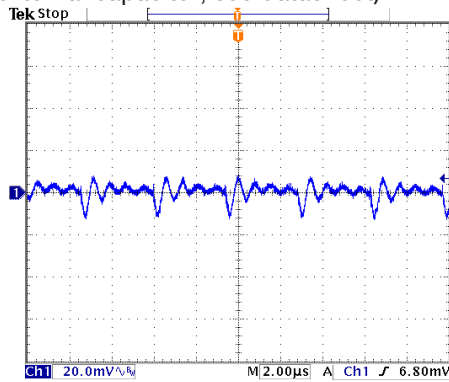


Derating Output Load versus Ambient Temperature

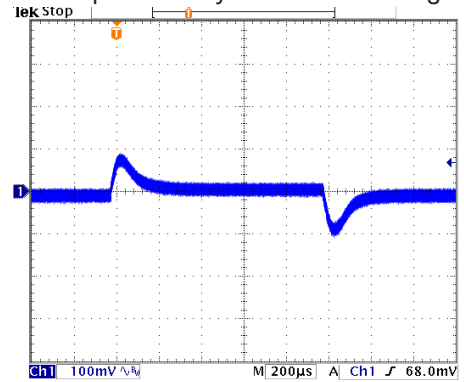


## TMR 12-1210WI

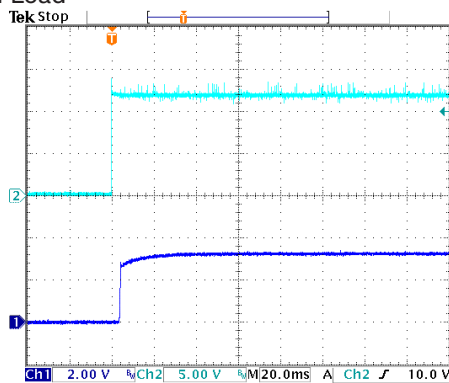
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



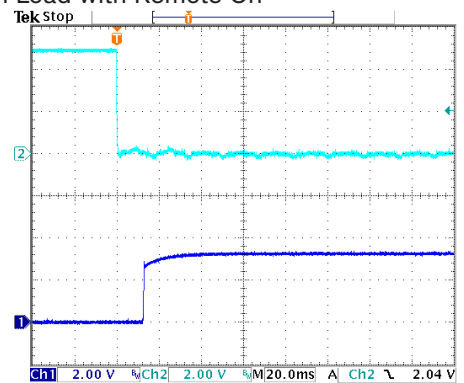
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

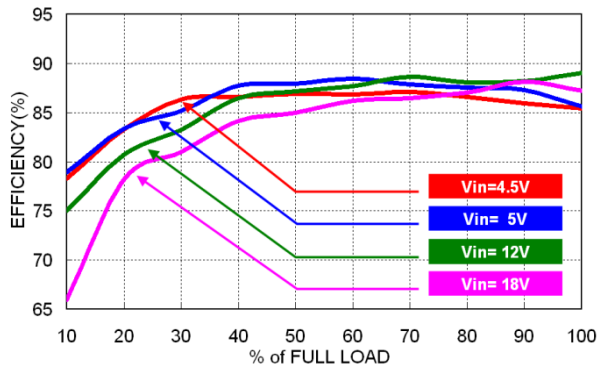


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

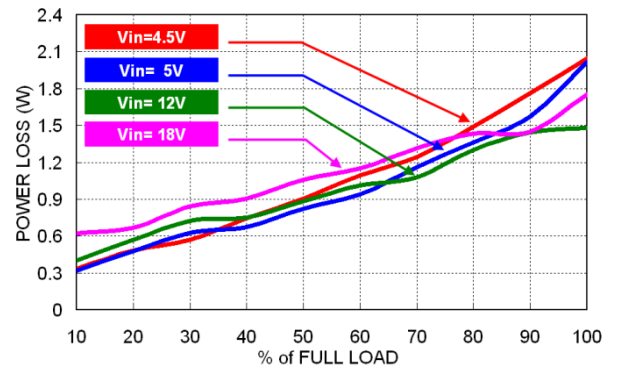


### TMR 12-1211WI

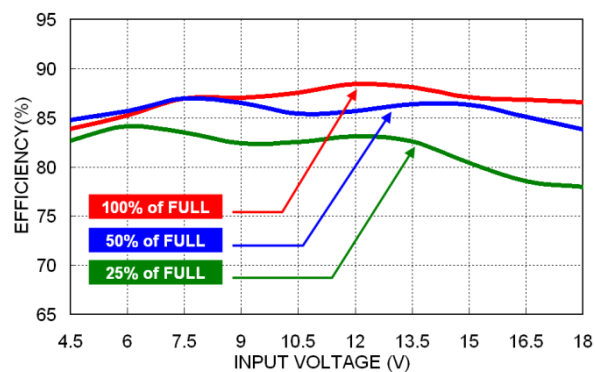
Efficiency versus Output Load



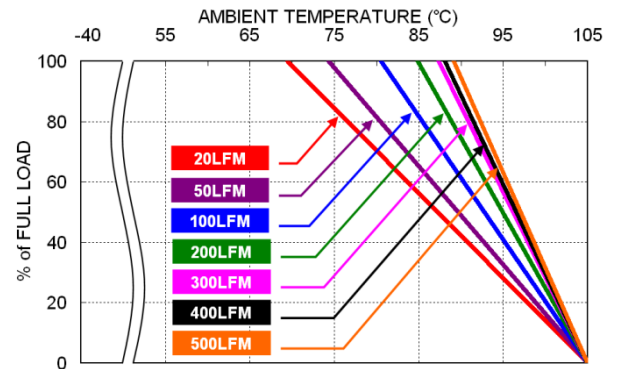
Power Dissipation versus Output Load



Efficiency versus Input Voltage

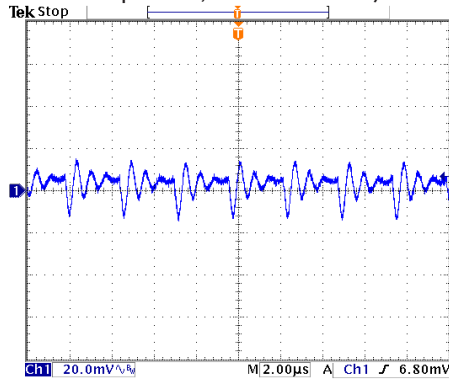


Derating Output Load versus Ambient Temperature

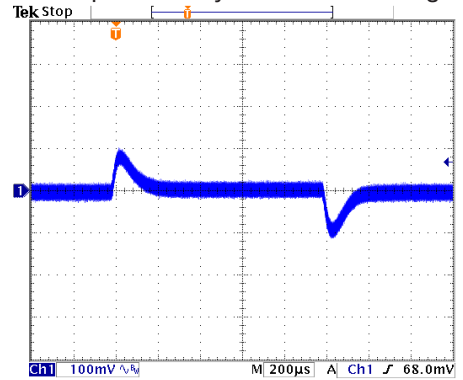


### TMR 12-1211WI

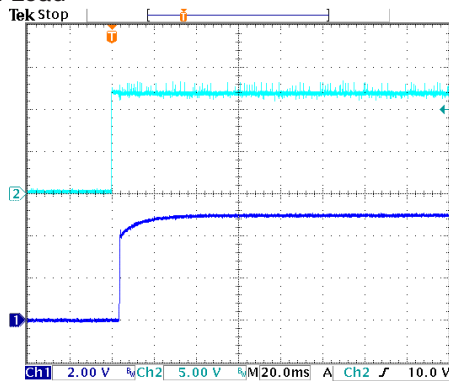
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



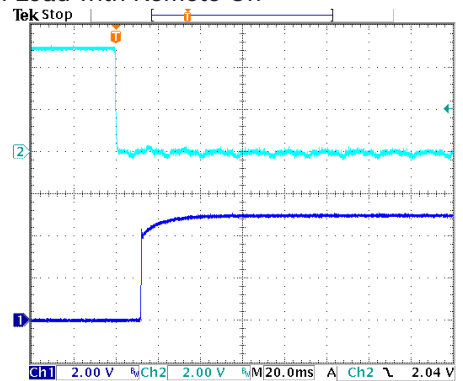
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



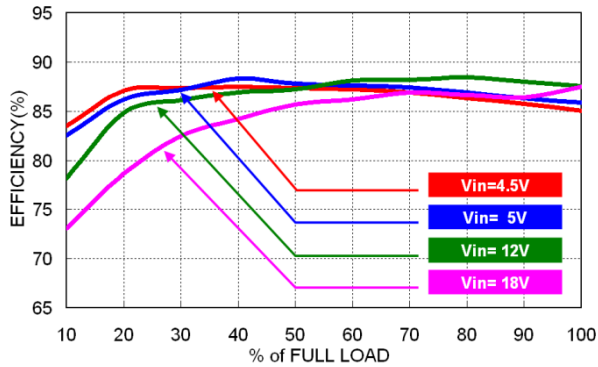
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



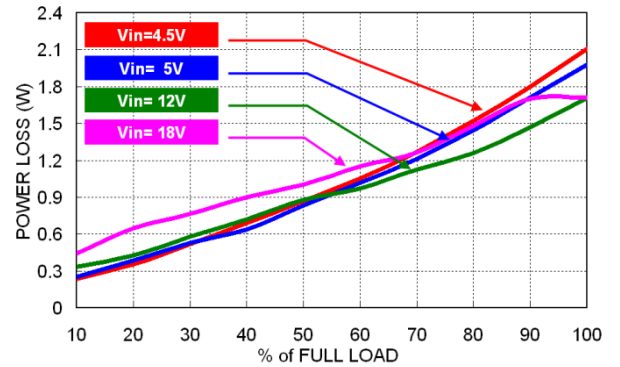


### On Demand model with 12 Vin and 9 Vout

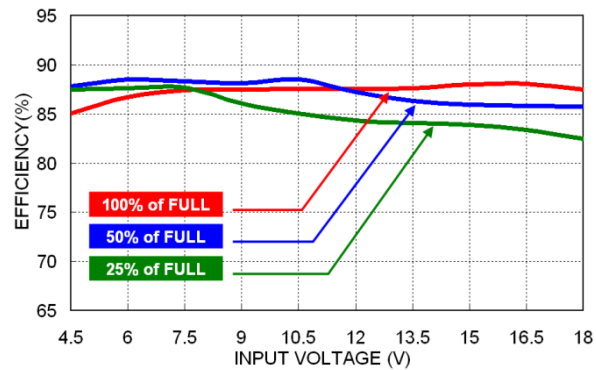
Efficiency versus Output Load



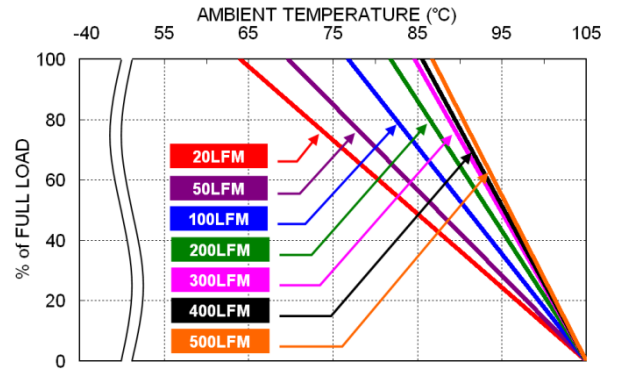
Power Dissipation versus Output Load



Efficiency versus Input Voltage

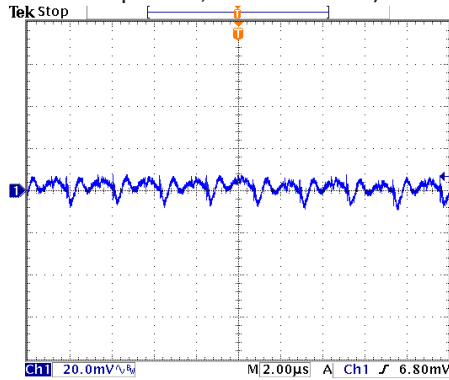


Derating Output Load versus Ambient Temperature

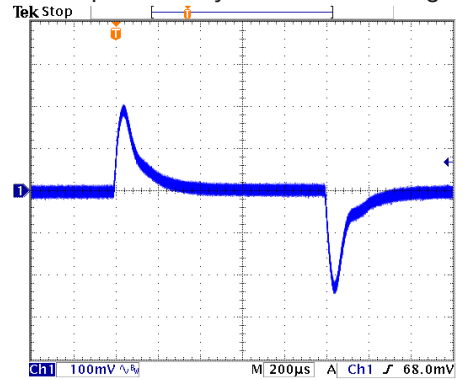


## On Demand model with 12 Vin and 9 Vout

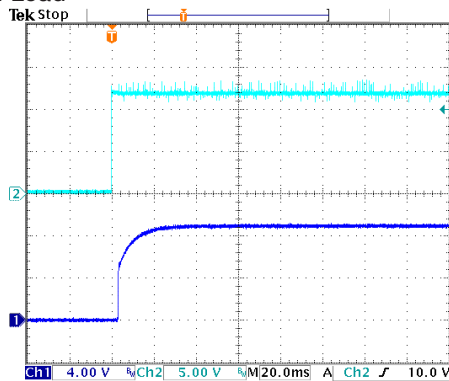
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



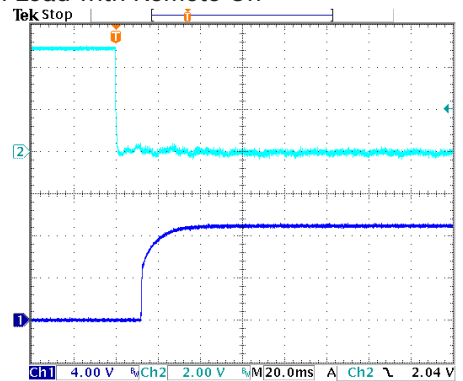
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

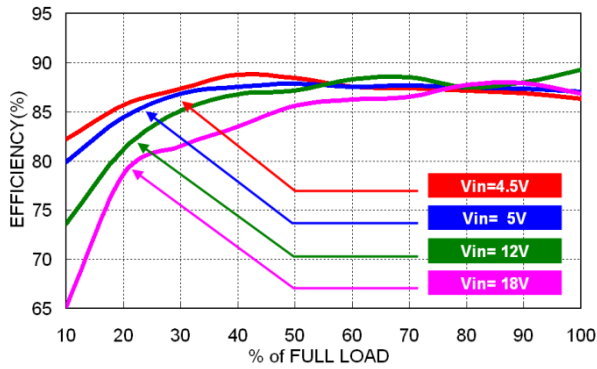


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

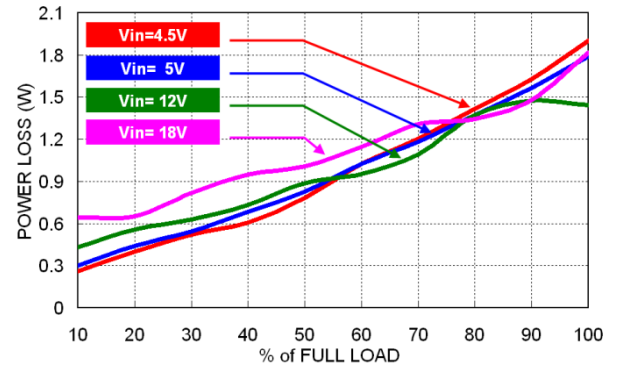


### TMR 12-1212WI

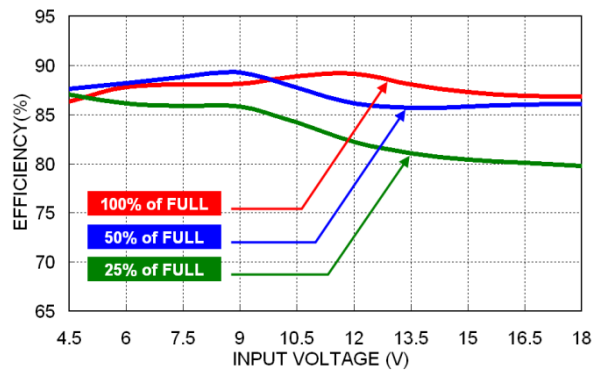
Efficiency versus Output Load



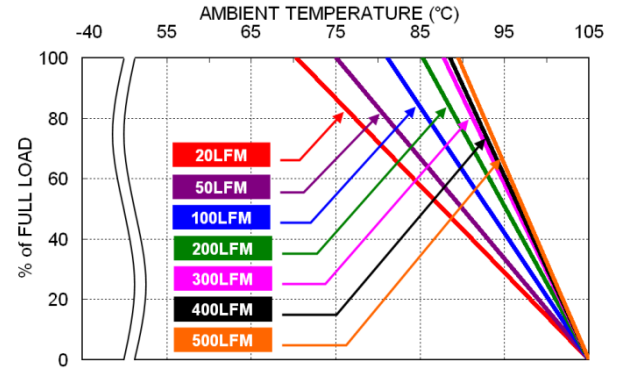
Power Dissipation versus Output Load



Efficiency versus Input Voltage

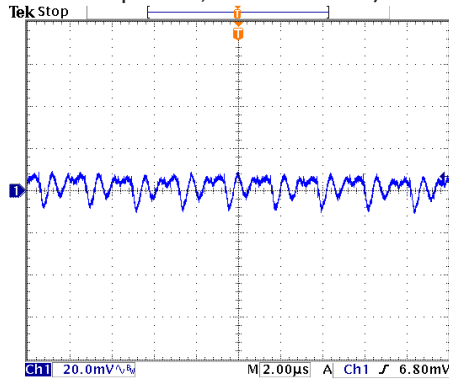


Derating Output Load versus Ambient Temperature

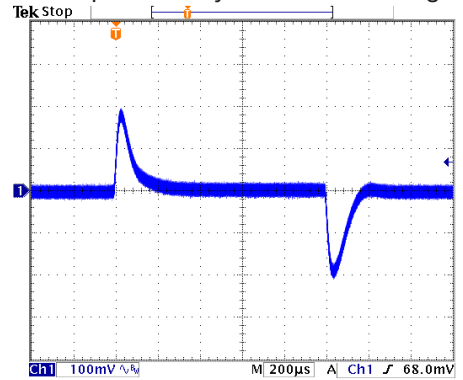


### TMR 12-1212WI

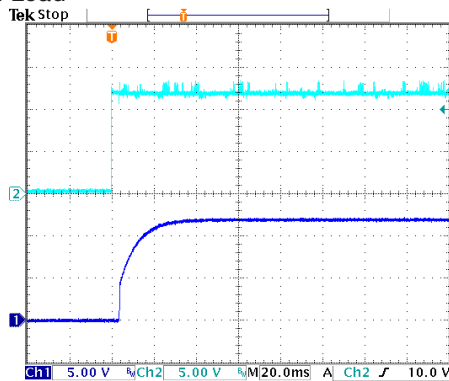
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



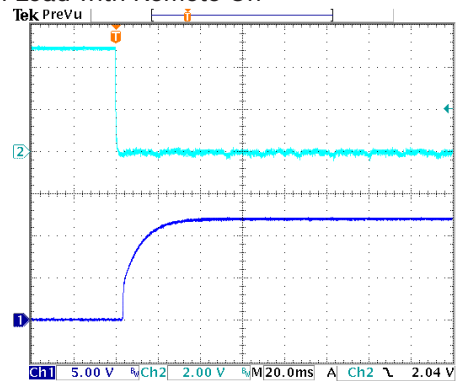
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

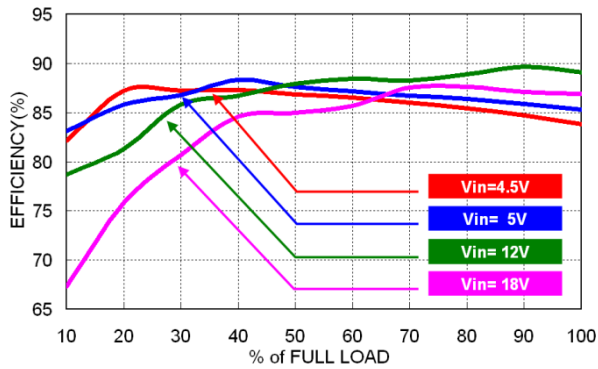


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

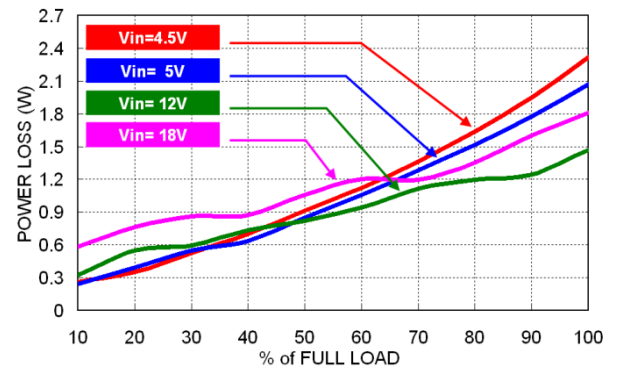


### TMR 12-1213WI

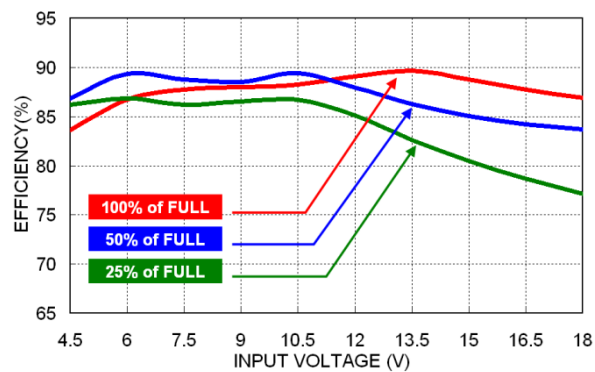
Efficiency versus Output Load



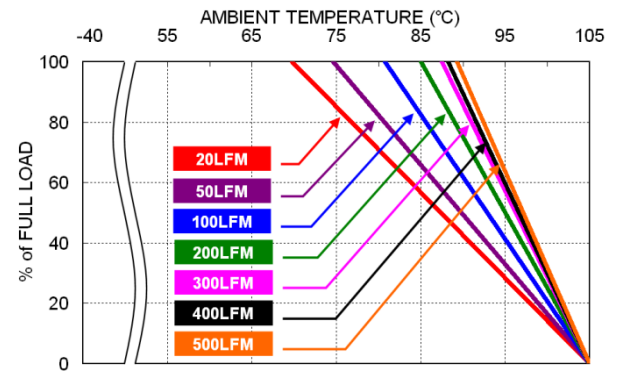
Power Dissipation versus Output Load



Efficiency versus Input Voltage

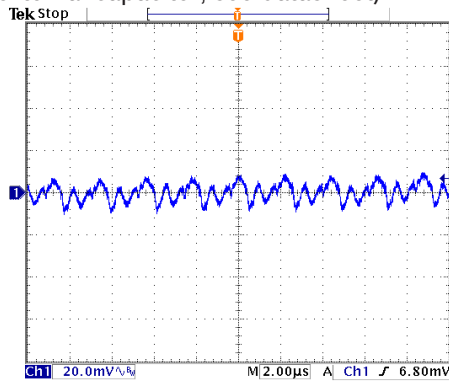


Derating Output Load versus Ambient Temperature

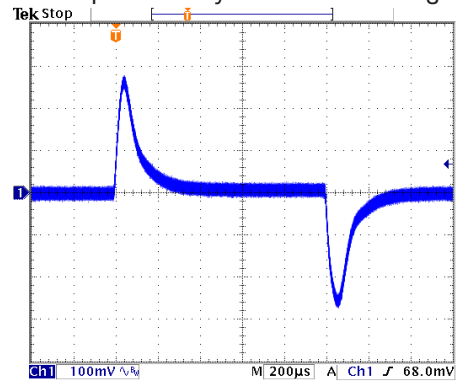


**TMR 12-1213WI**

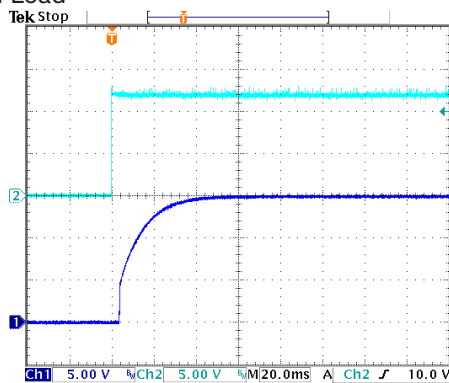
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



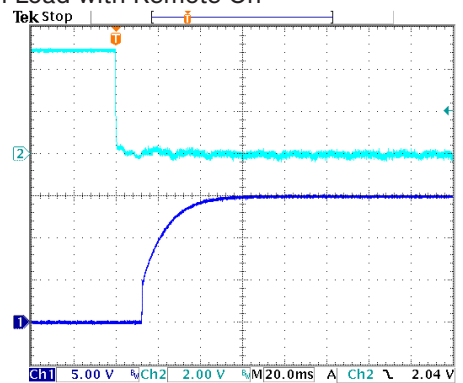
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

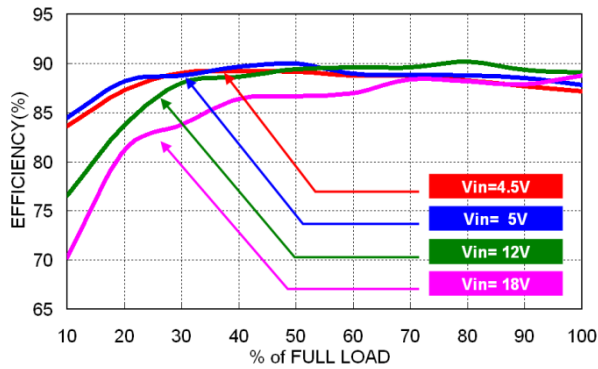


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

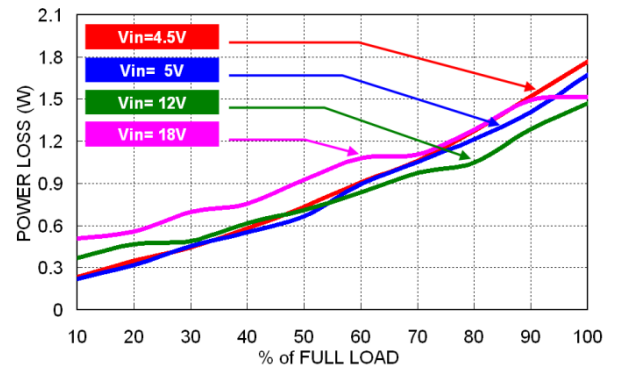


### TMR 12-1215WI

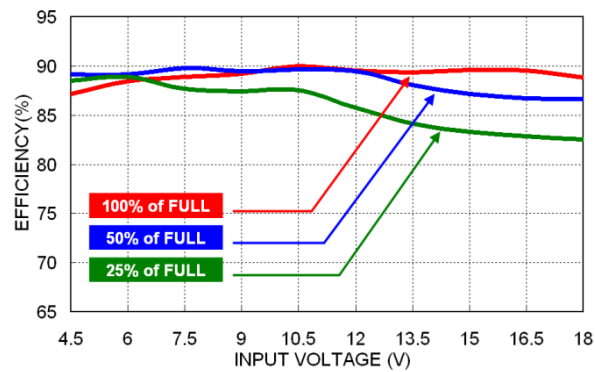
Efficiency versus Output Load



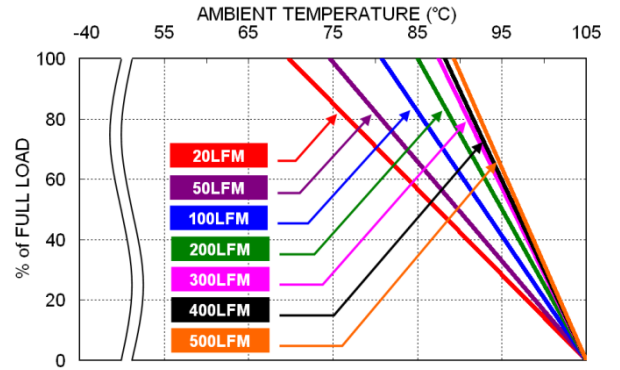
Power Dissipation versus Output Load



Efficiency versus Input Voltage

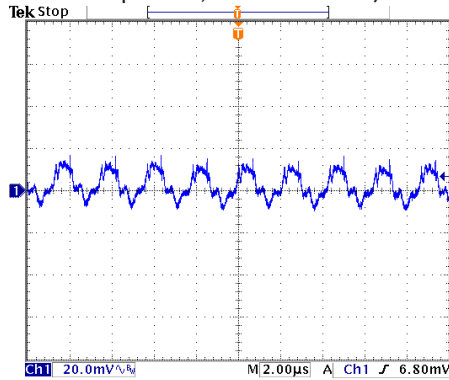


Derating Output Load versus Ambient Temperature

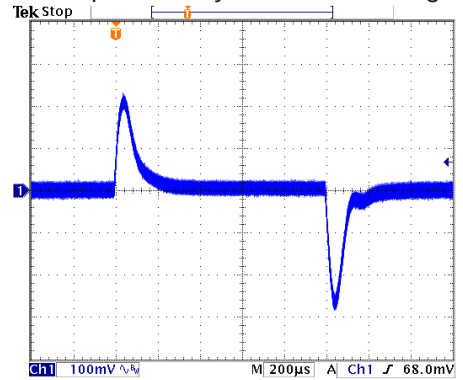


**TMR 12-1215WI**

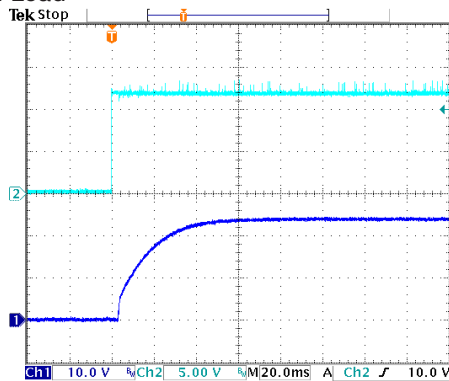
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



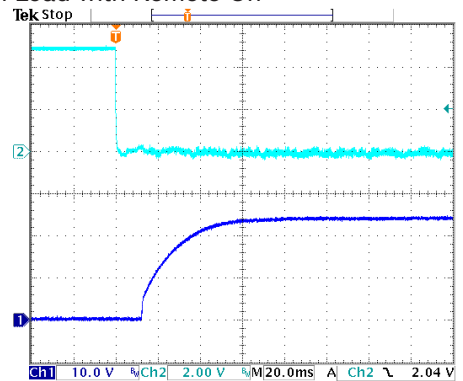
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



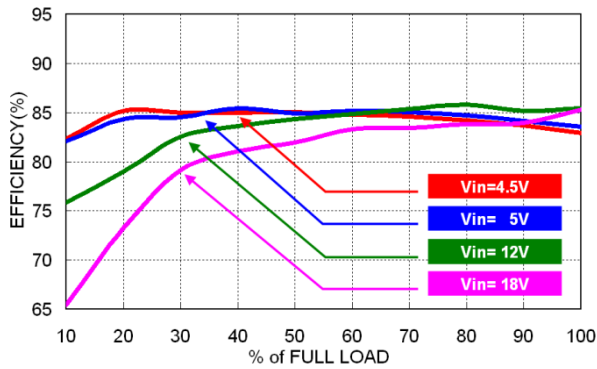
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



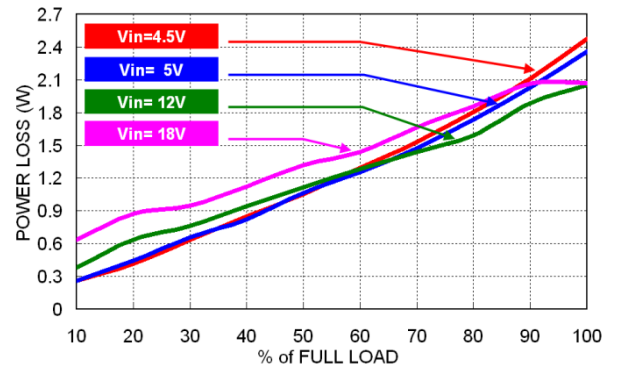


### TMR 12-1221WI

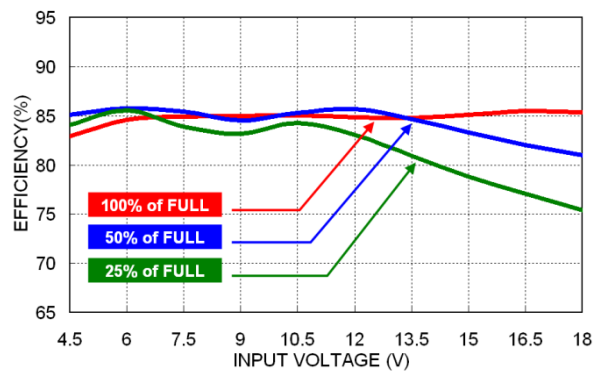
Efficiency versus Output Load



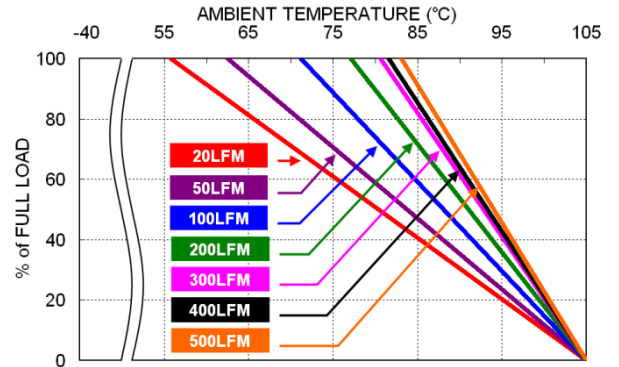
Power Dissipation versus Output Load



Efficiency versus Input Voltage

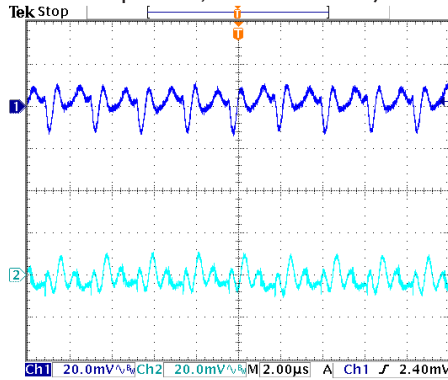


Derating Output Load versus Ambient Temperature

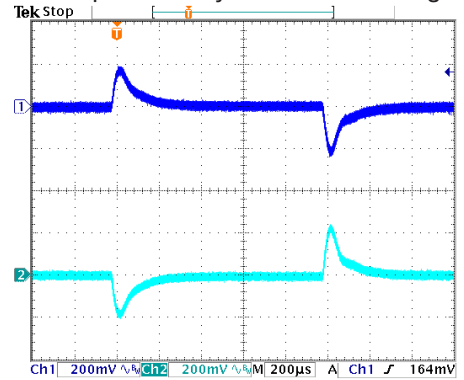


### TMR 12-1221WI

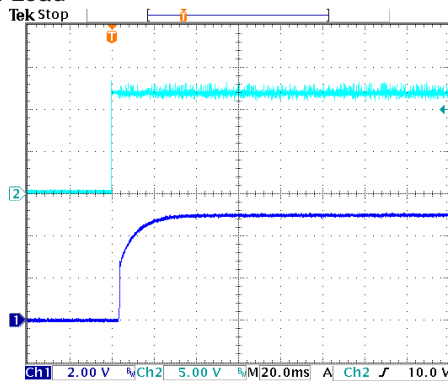
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



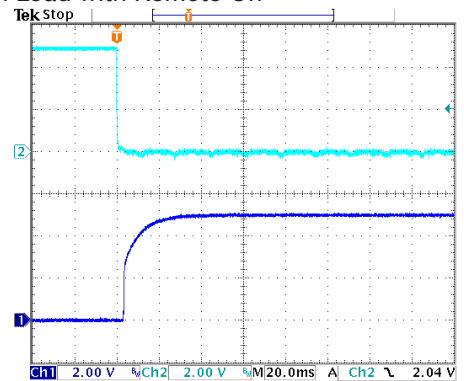
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

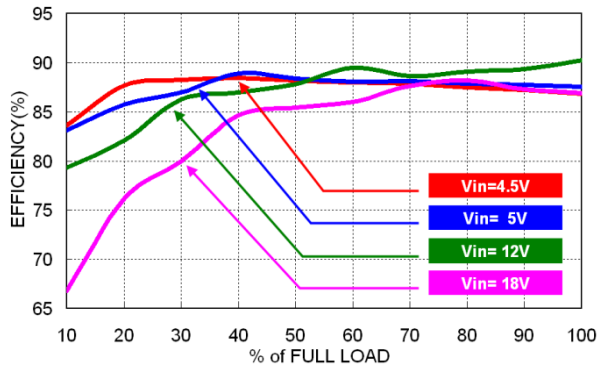


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

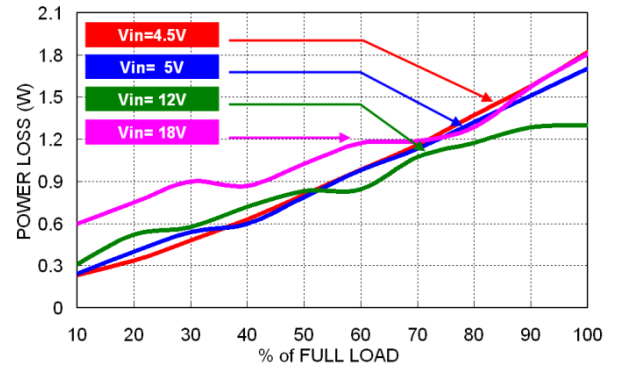


### TMR 12-1222WI

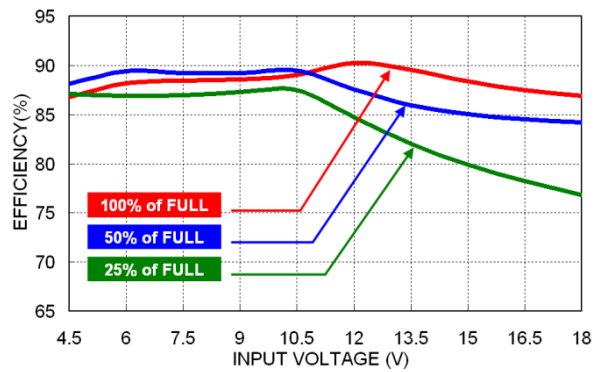
Efficiency versus Output Load



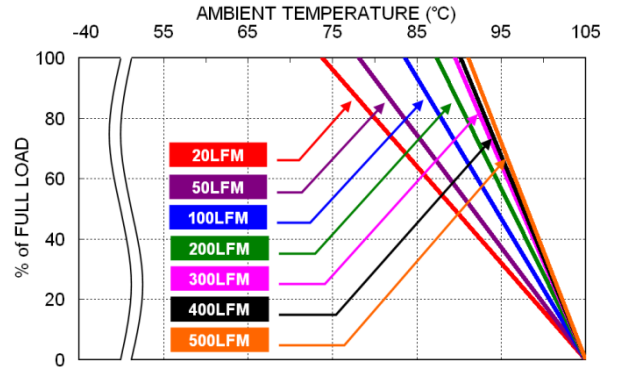
Power Dissipation versus Output Load



Efficiency versus Input Voltage

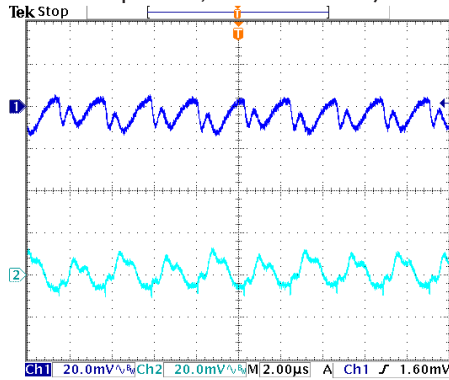


Derating Output Load versus Ambient Temperature

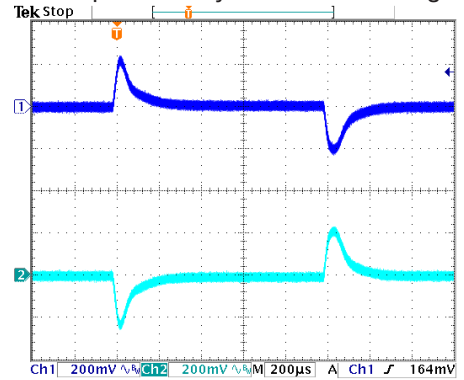


### TMR 12-1222WI

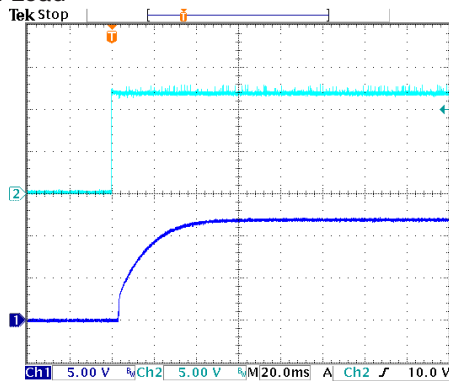
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



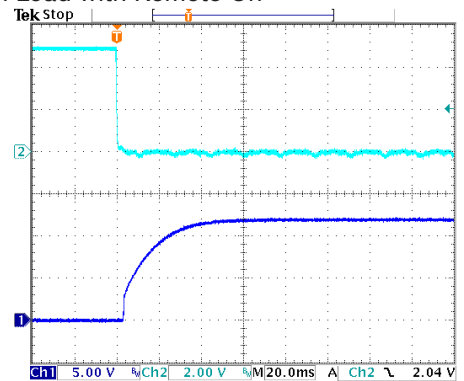
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

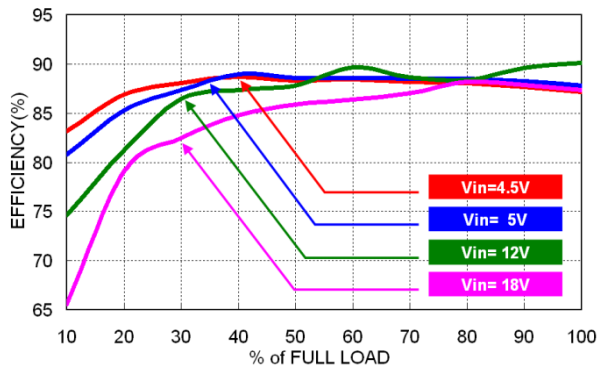


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

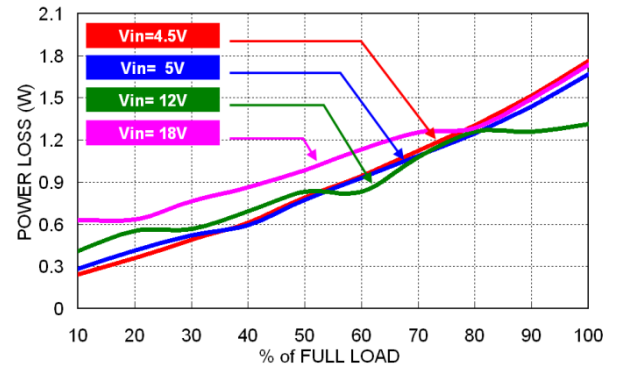


### TMR 12-1223WI

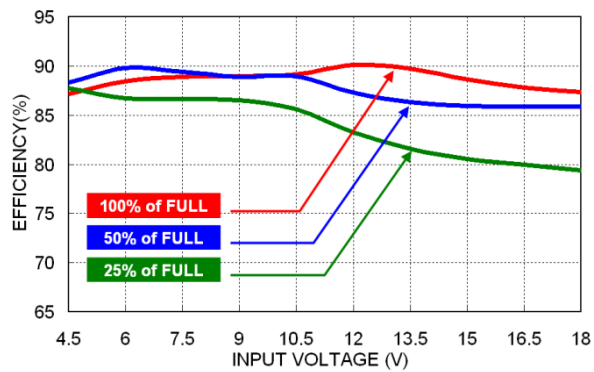
Efficiency versus Output Load



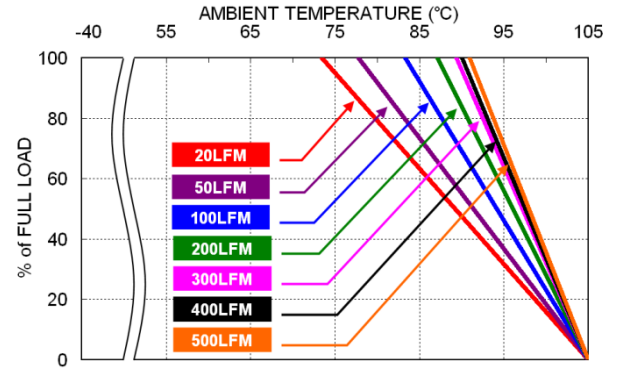
Power Dissipation versus Output Load



Efficiency versus Input Voltage

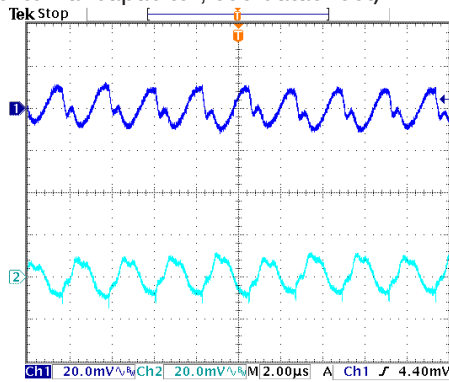


Derating Output Load versus Ambient Temperature

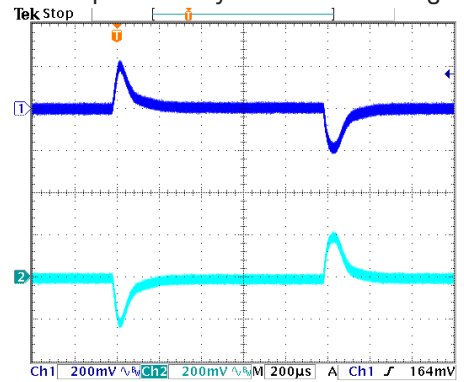


**TMR 12-1223WI**

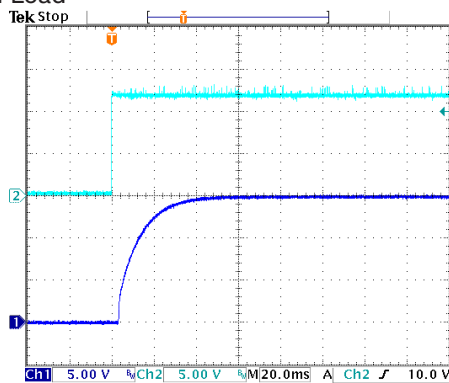
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



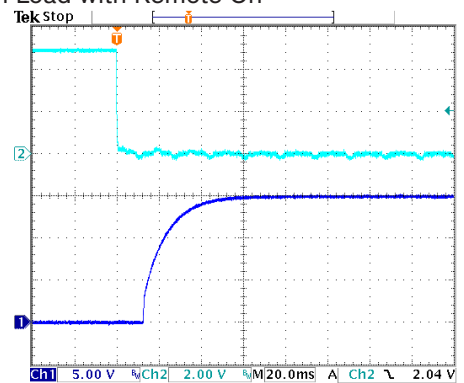
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

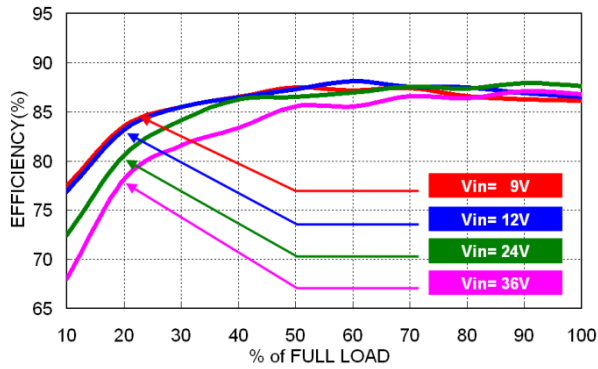


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

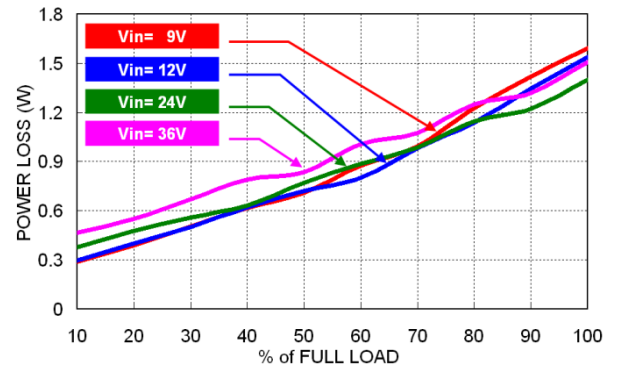


### TMR 12-2410WI

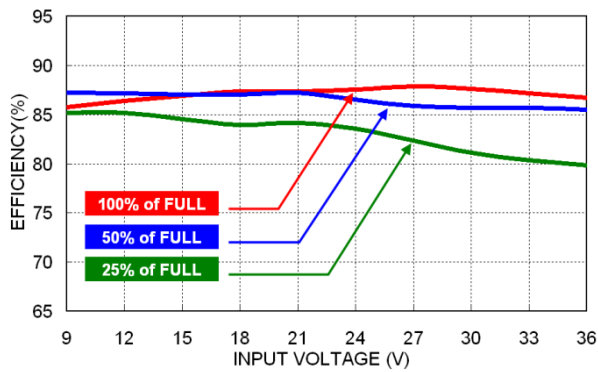
Efficiency versus Output Load



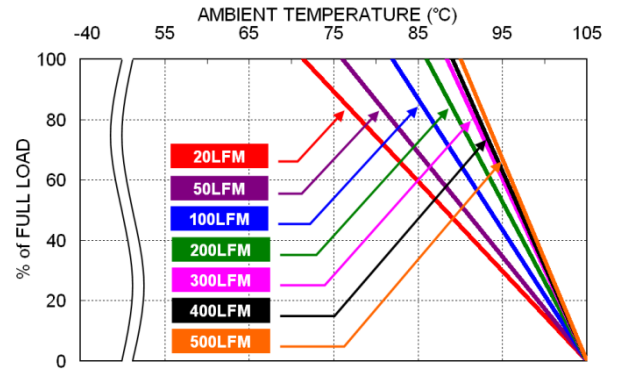
Power Dissipation versus Output Load



Efficiency versus Input Voltage

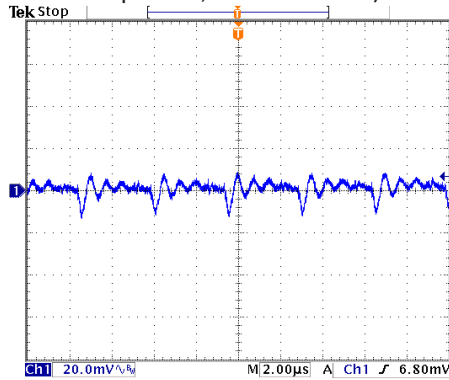


Derating Output Load versus Ambient Temperature

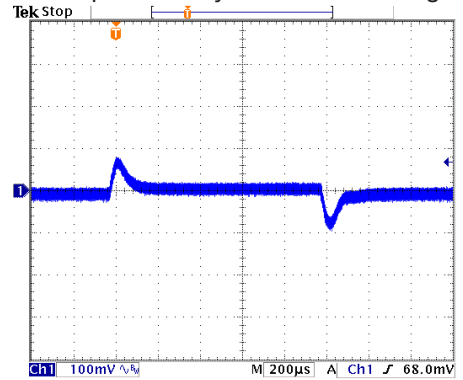


**TMR 12-2410WI**

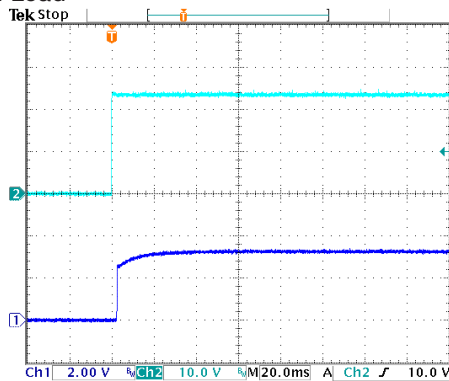
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



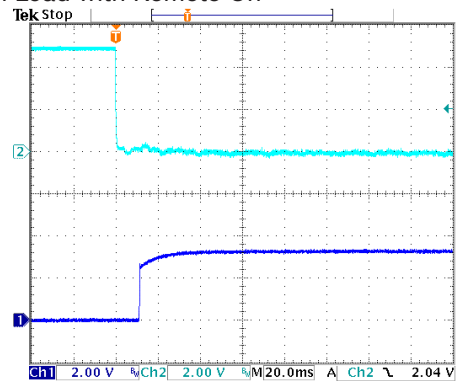
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



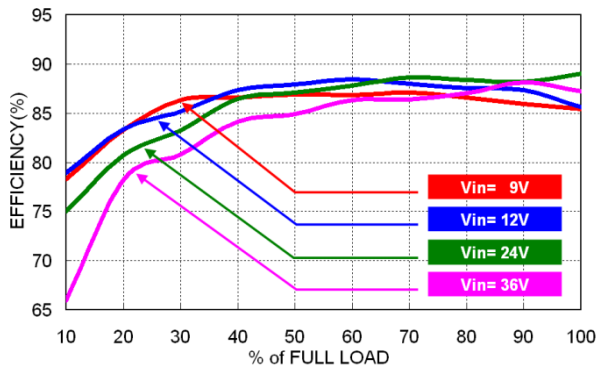
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



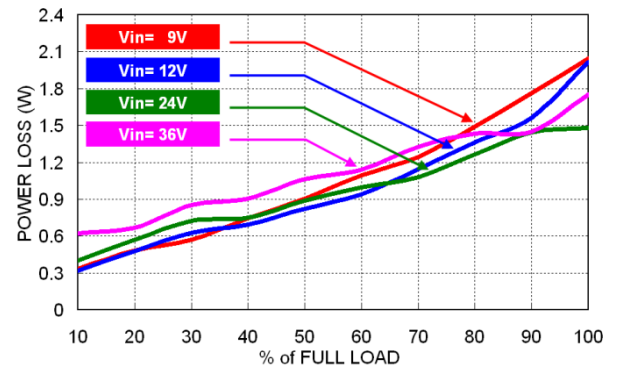


### TMR 12-2411WI

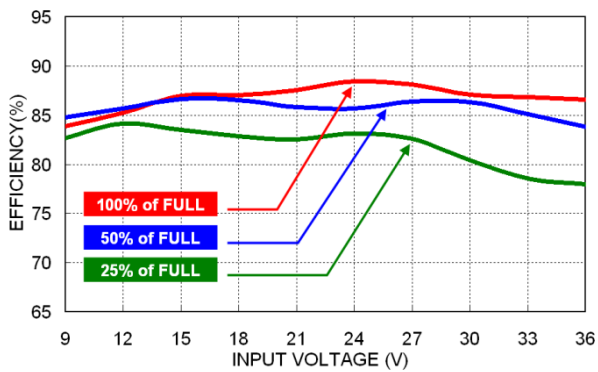
Efficiency versus Output Load



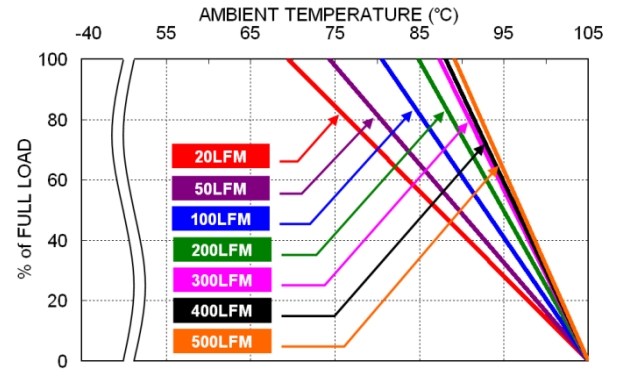
Power Dissipation versus Output Load



Efficiency versus Input Voltage

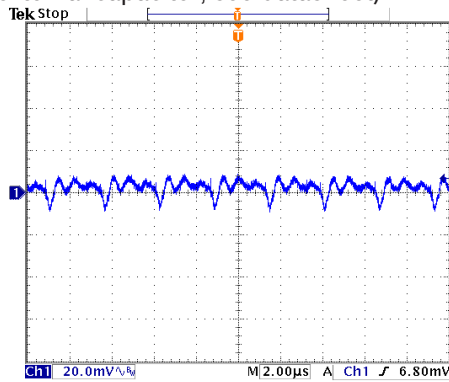


Derating Output Load versus Ambient Temperature

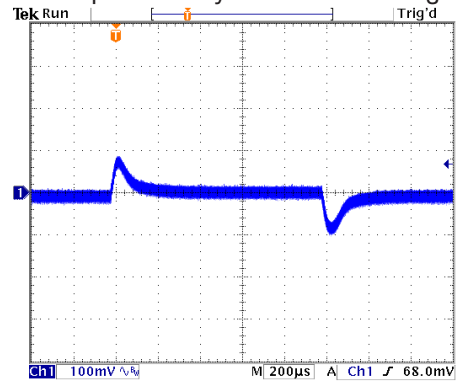


**TMR 12-2411WI**

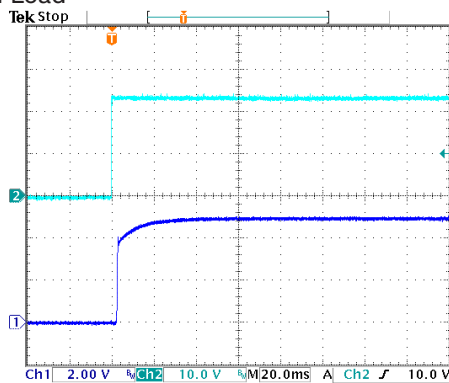
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



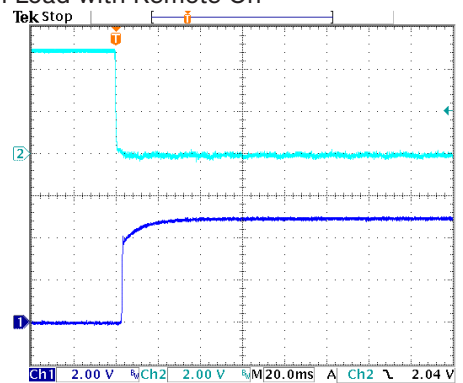
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

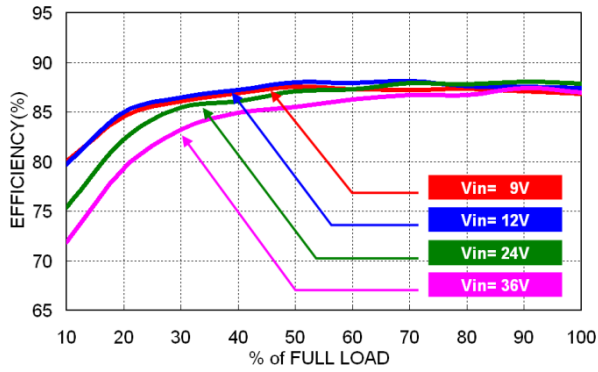


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

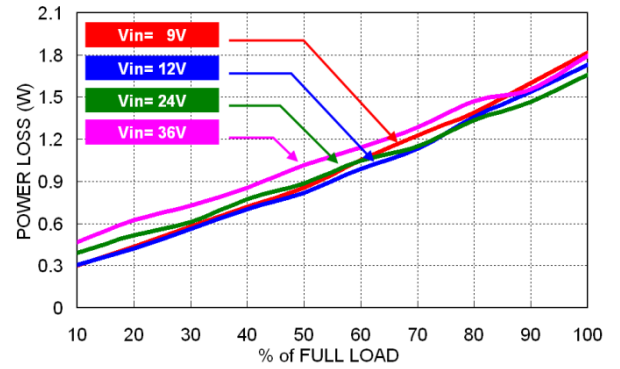


### On Demand model with 24 Vin and 9 Vout

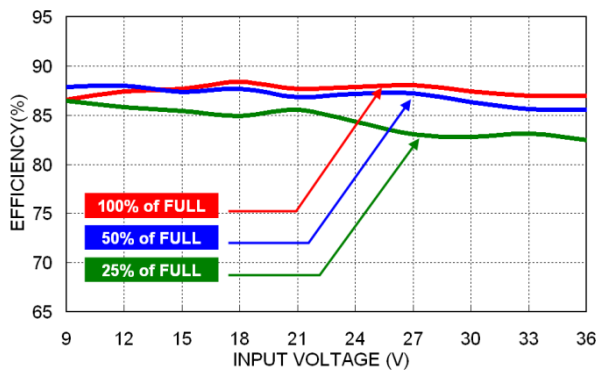
Efficiency versus Output Load



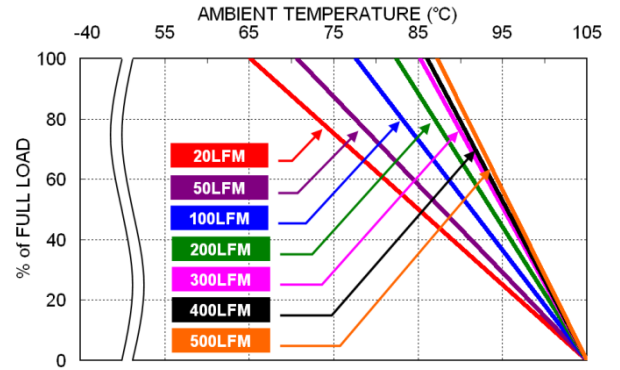
Power Dissipation versus Output Load



Efficiency versus Input Voltage

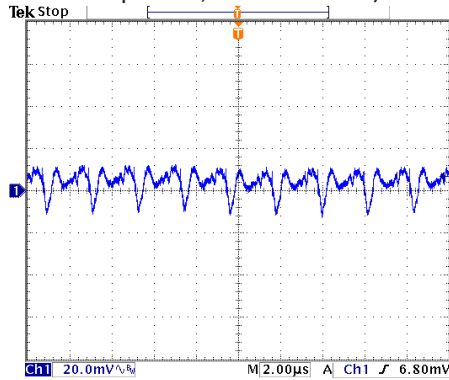


Derating Output Load versus Ambient Temperature

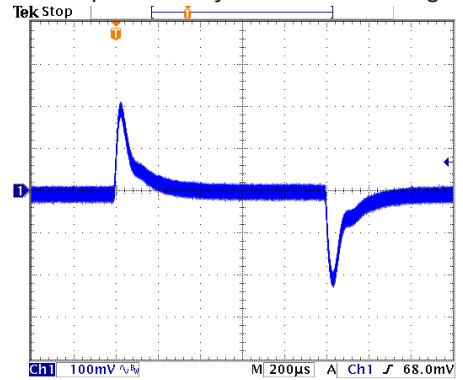


**On Demand model with 24 Vin and 9 Vout**

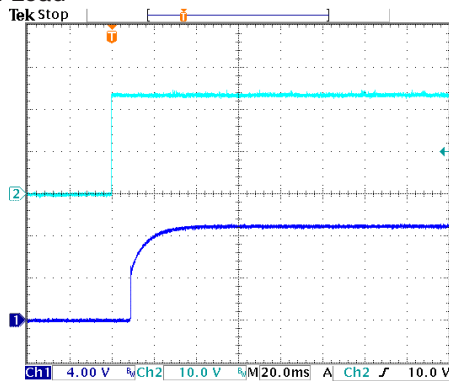
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



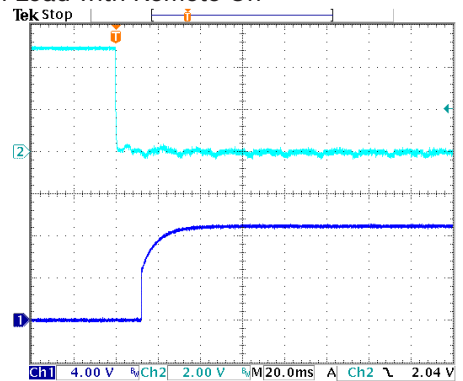
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

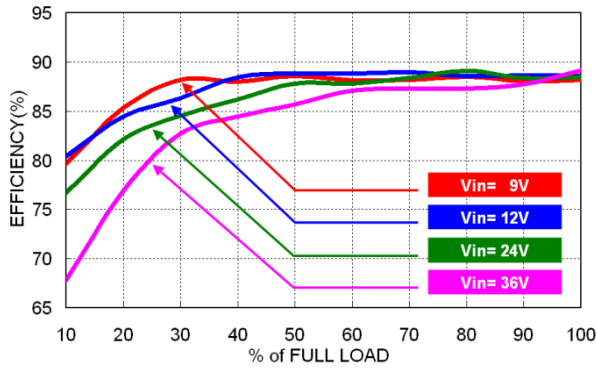


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

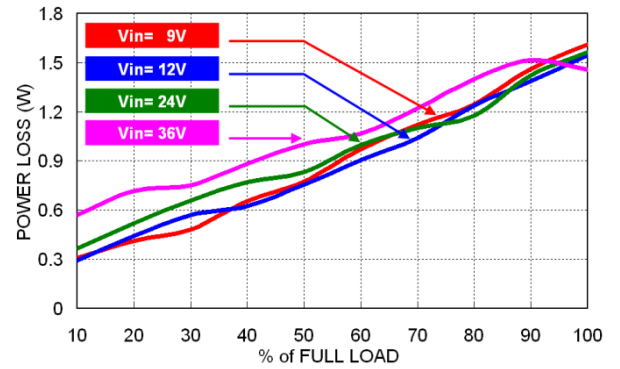


### TMR 12-2412WI

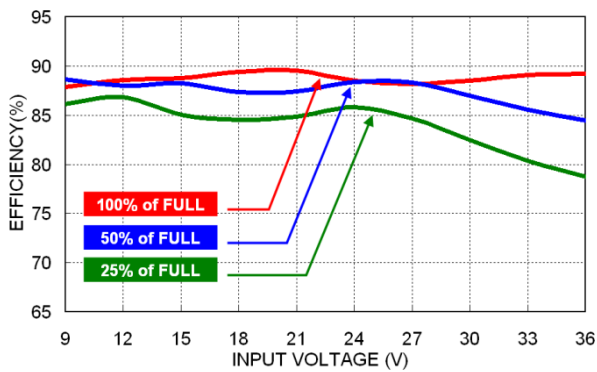
Efficiency versus Output Load



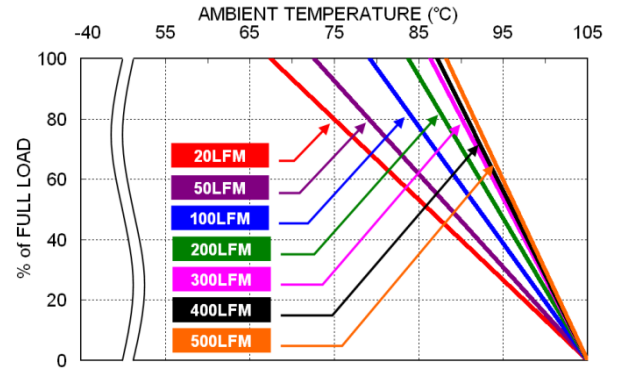
Power Dissipation versus Output Load



Efficiency versus Input Voltage

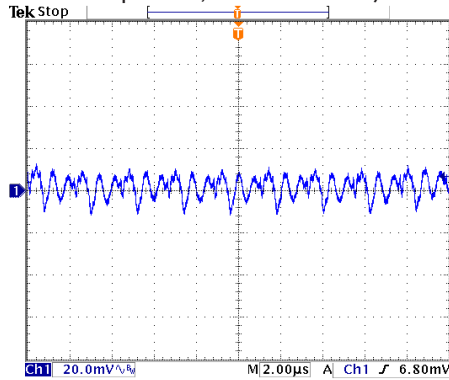


Derating Output Load versus Ambient Temperature

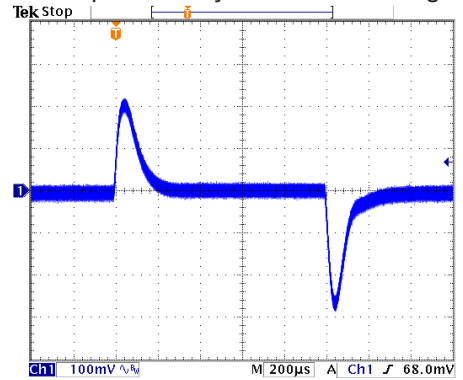


## TMR 12-2412WI

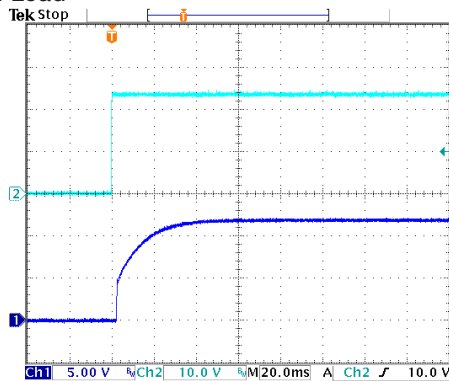
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



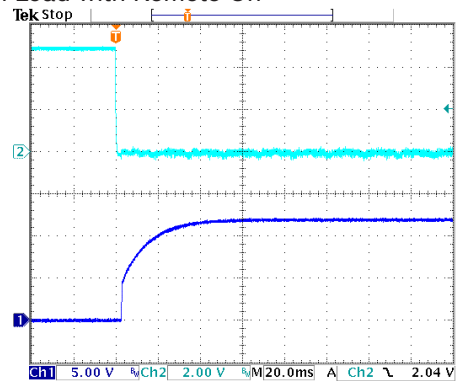
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

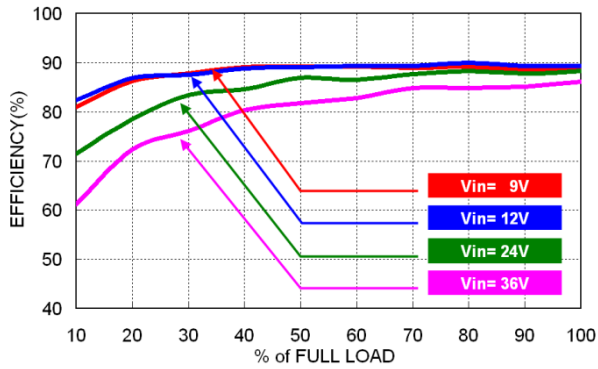


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

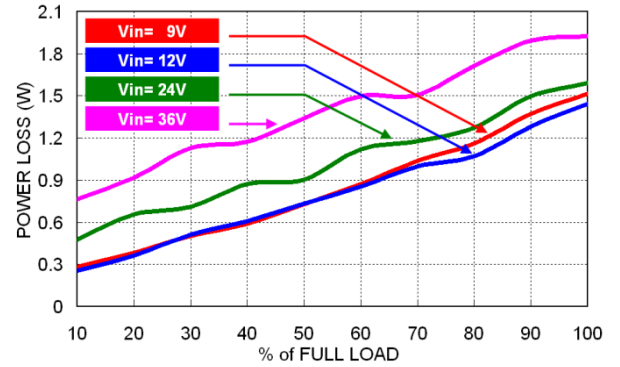


### TMR 12-2413WI

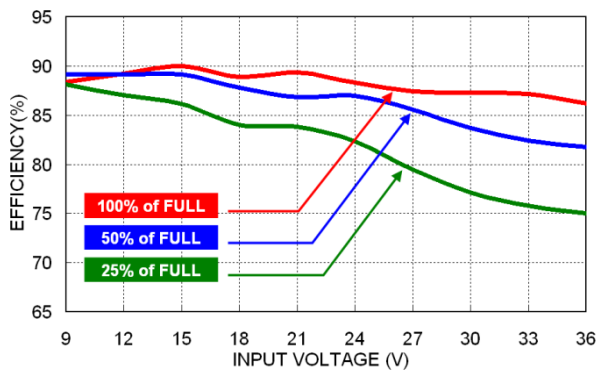
Efficiency versus Output Load



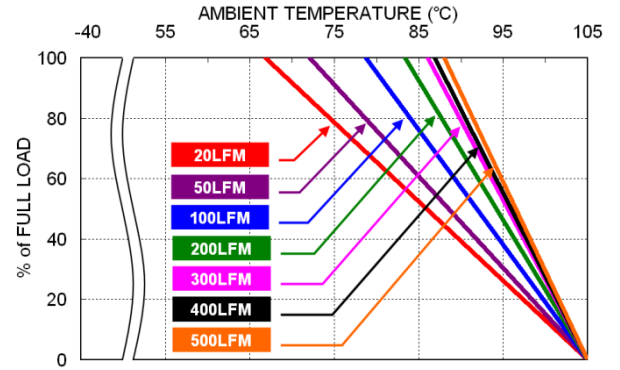
Power Dissipation versus Output Load



Efficiency versus Input Voltage

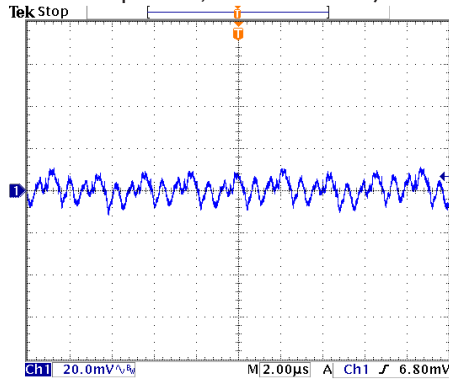


Derating Output Load versus Ambient Temperature

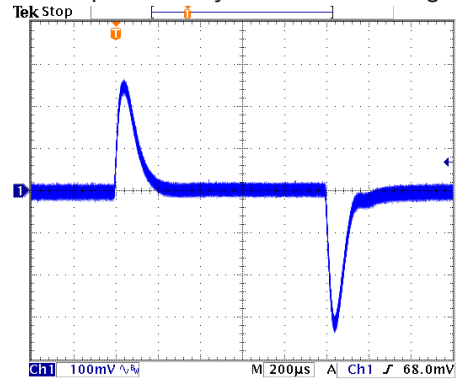


**TMR 12-2413WI**

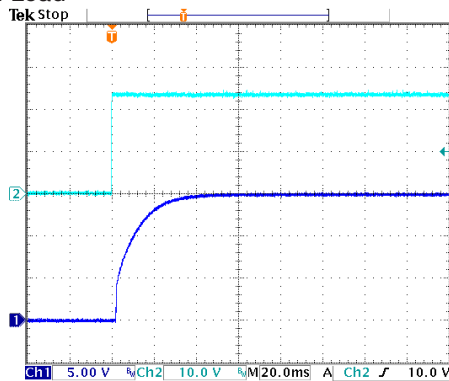
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



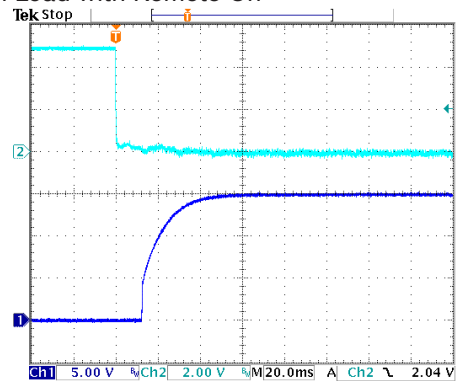
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



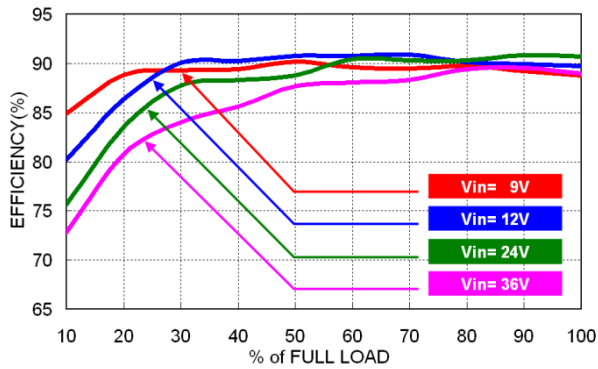
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



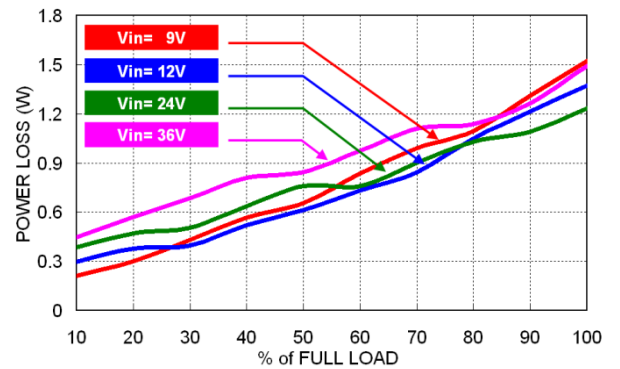


**TMR 12-2415WI**

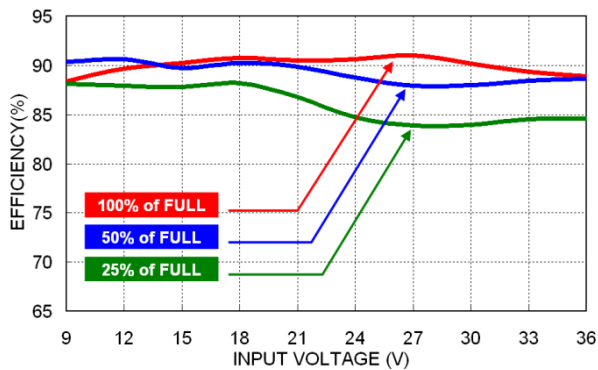
Efficiency versus Output Load



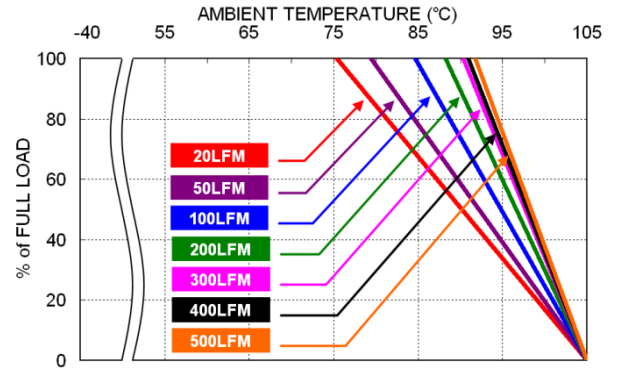
Power Dissipation versus Output Load



Efficiency versus Input Voltage

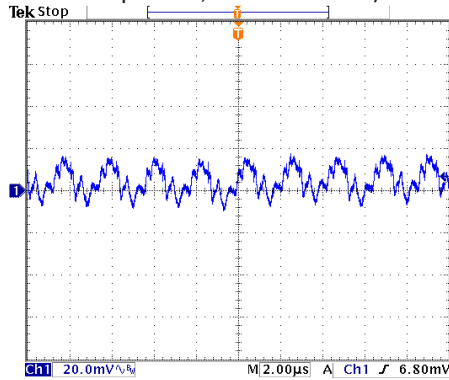


Derating Output Load versus Ambient Temperature

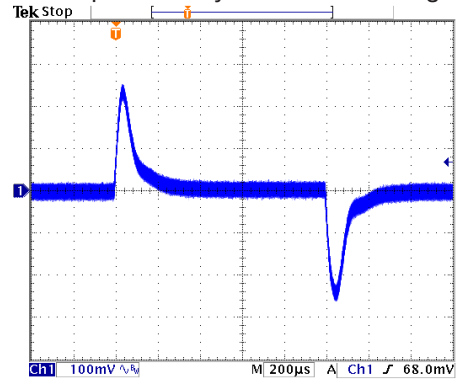


**TMR 12-2415WI**

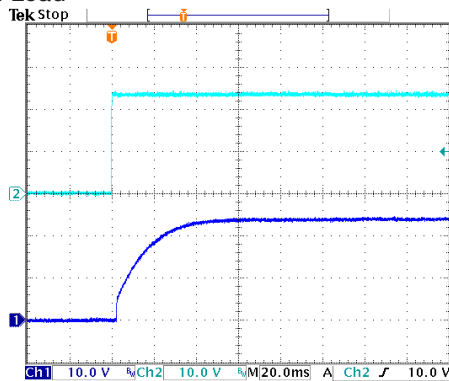
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



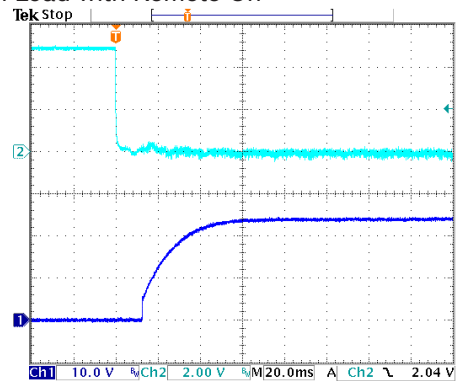
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

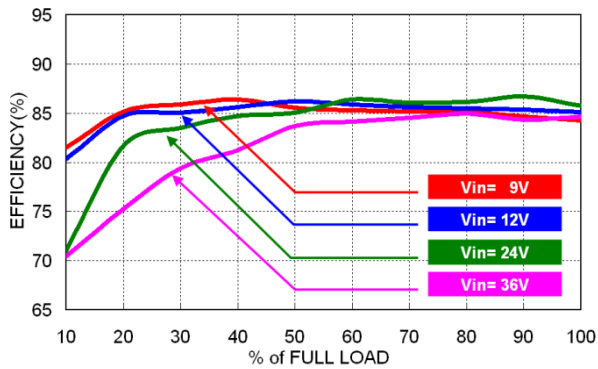


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

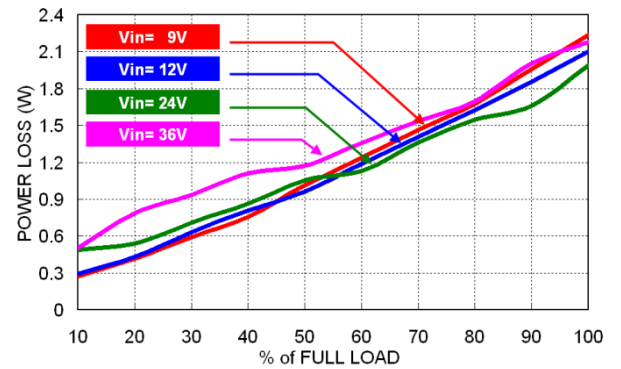


### TMR 12-2421WI

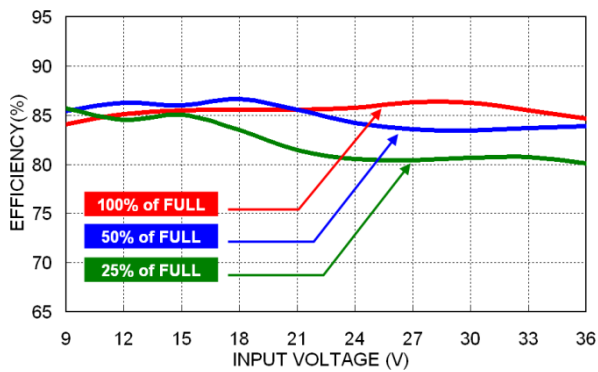
Efficiency versus Output Load



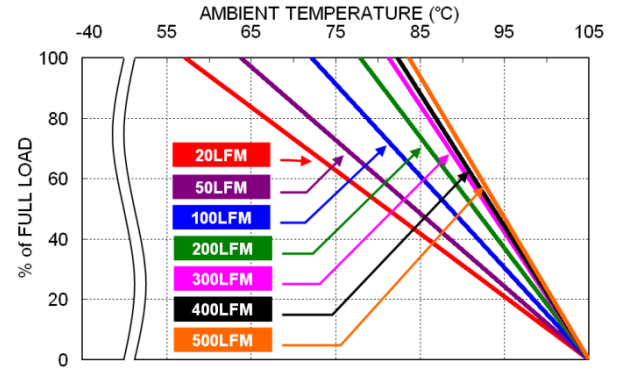
Power Dissipation versus Output Load



Efficiency versus Input Voltage

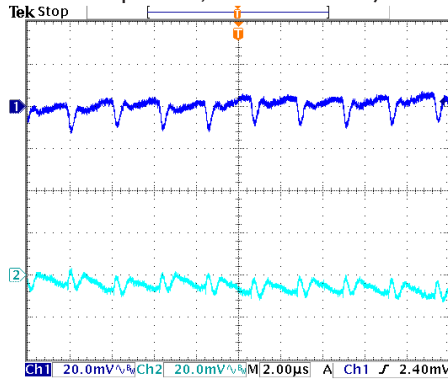


Derating Output Load versus Ambient Temperature

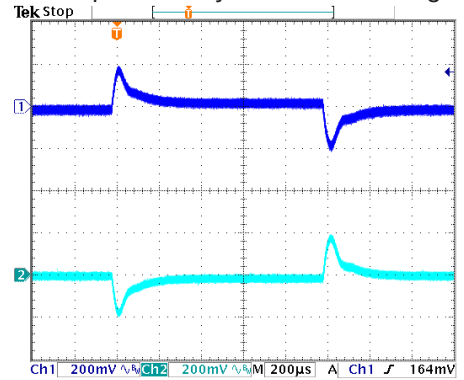


### TMR 12-2421WI

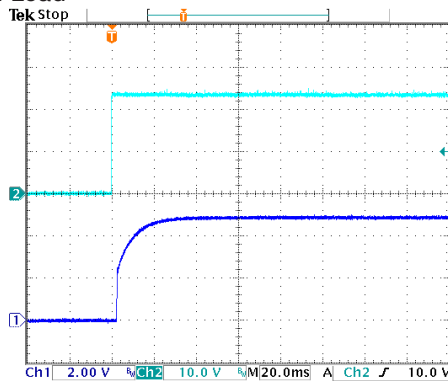
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



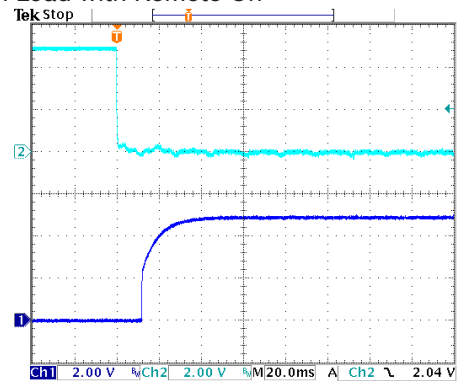
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

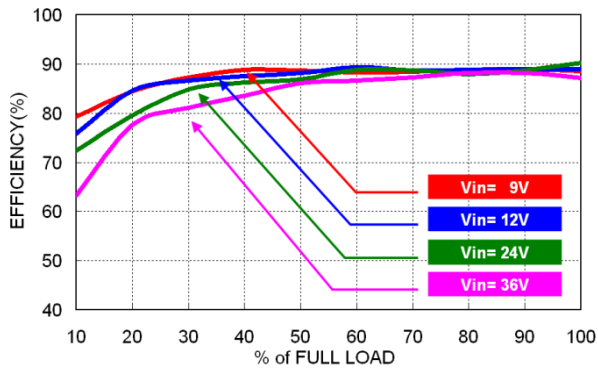


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

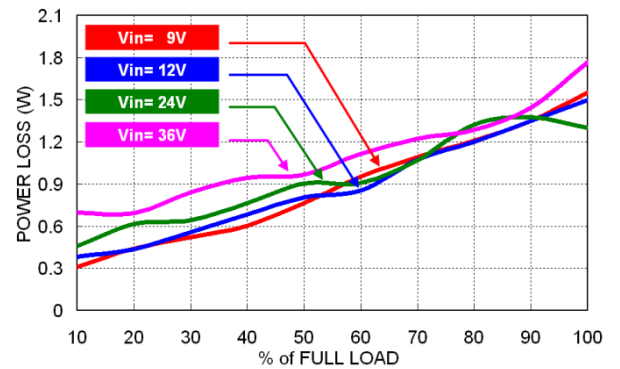


### TMR 12-2422WI

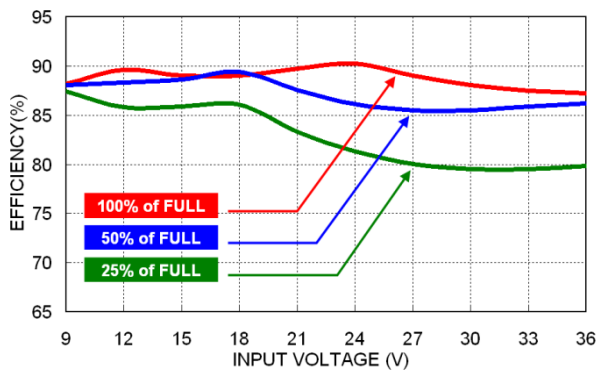
Efficiency versus Output Load



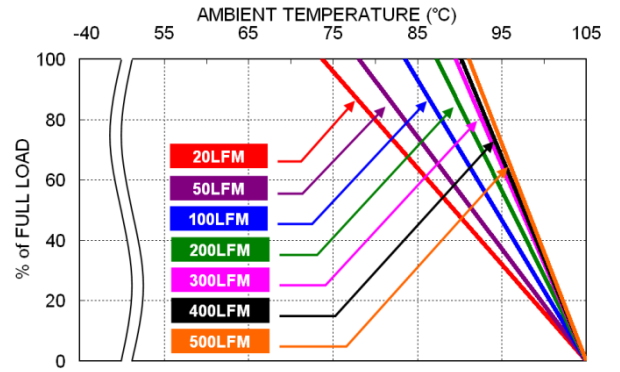
Power Dissipation versus Output Load



Efficiency versus Input Voltage

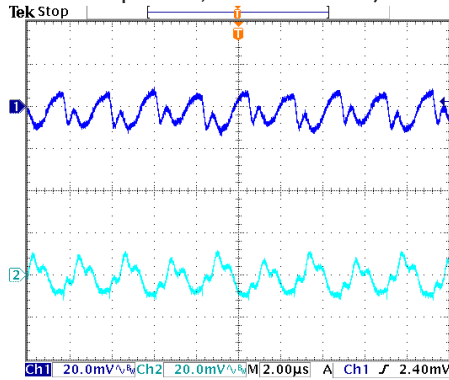


Derating Output Load versus Ambient Temperature

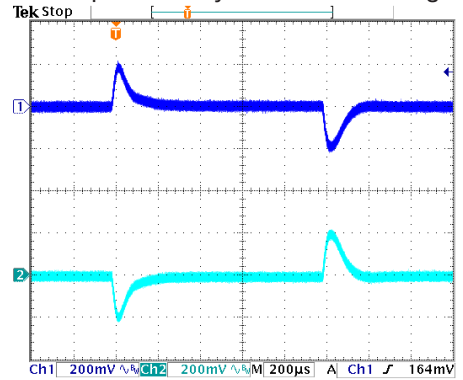


### TMR 12-2422WI

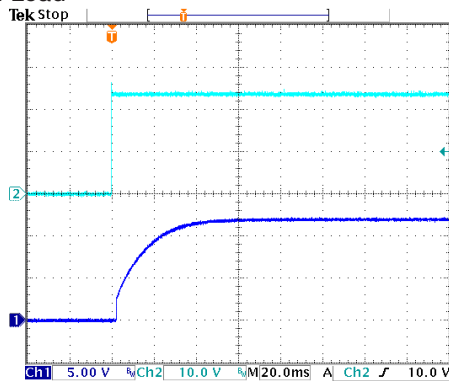
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



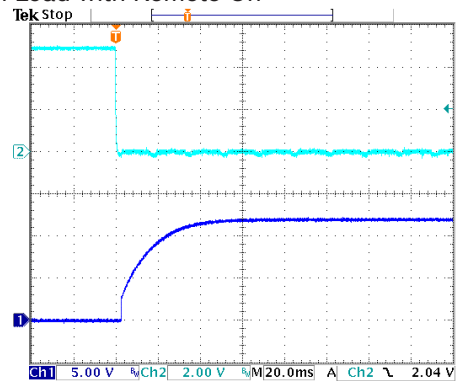
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

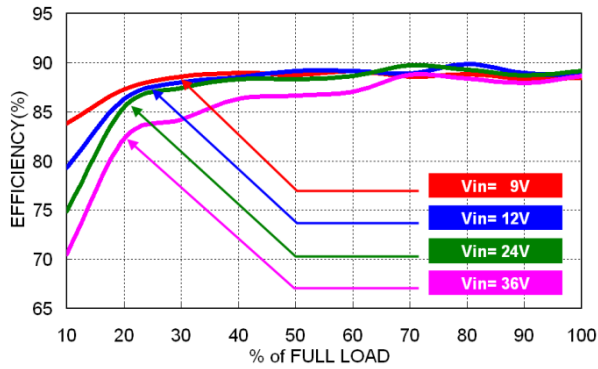


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

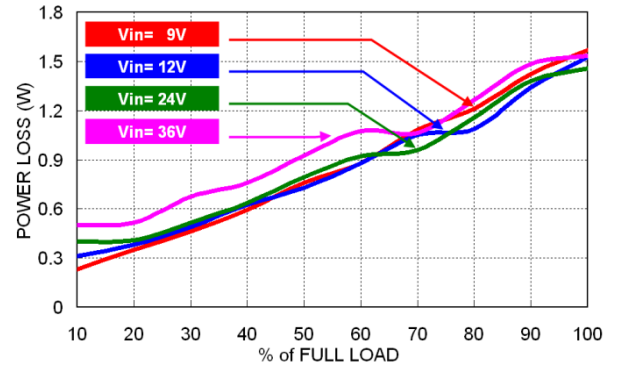


### TMR 12-2423WI

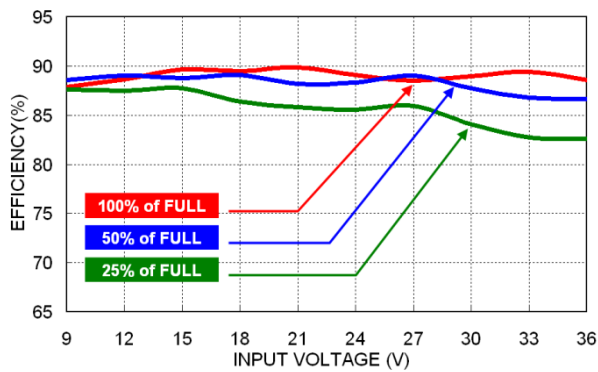
Efficiency versus Output Load



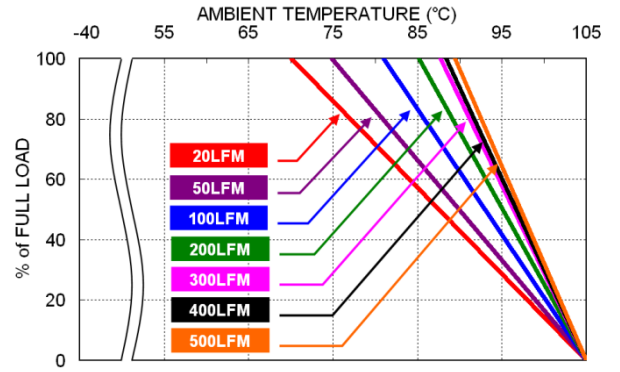
Power Dissipation versus Output Load



Efficiency versus Input Voltage

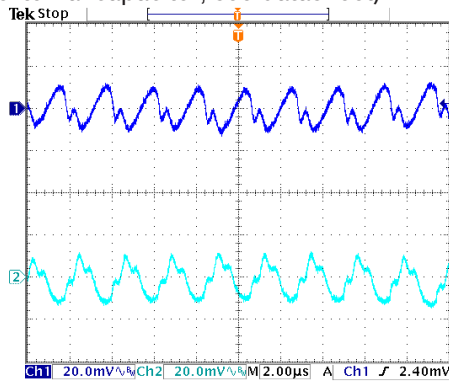


Derating Output Load versus Ambient Temperature

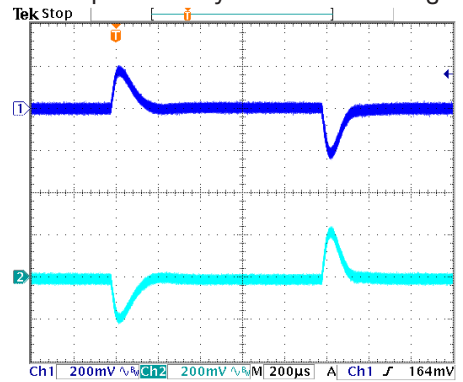


**TMR 12-2423WI**

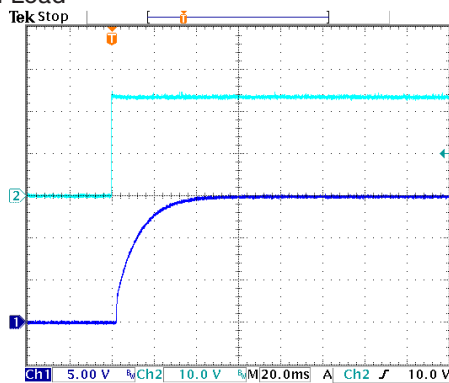
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



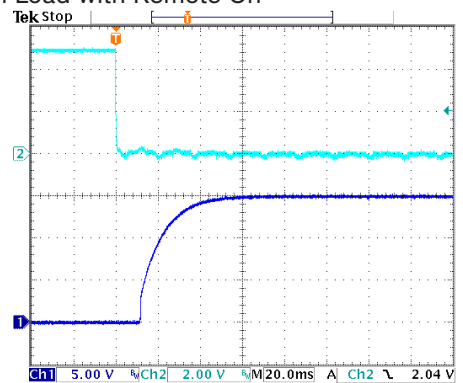
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



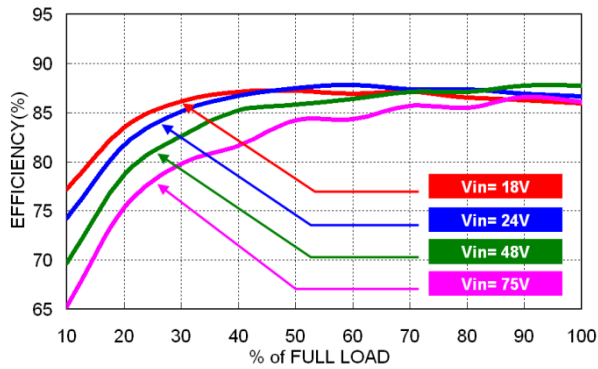
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



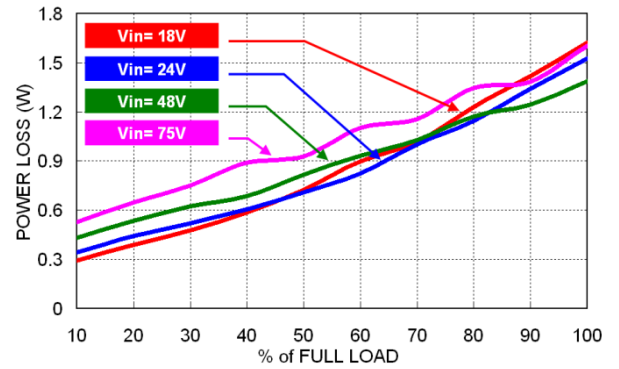


### TMR 12-4810WI

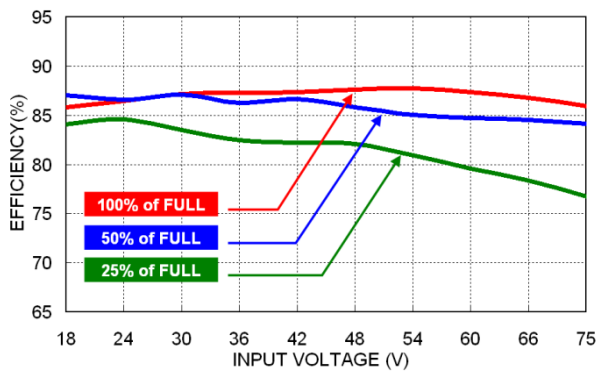
Efficiency versus Output Load



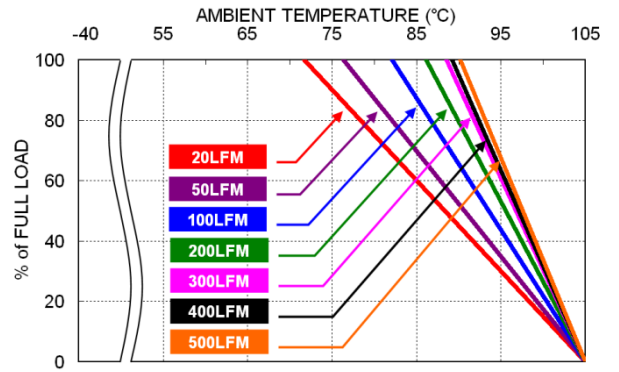
Power Dissipation versus Output Load



Efficiency versus Input Voltage

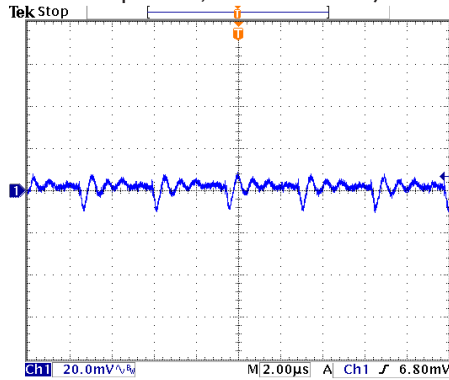


Derating Output Load versus Ambient Temperature

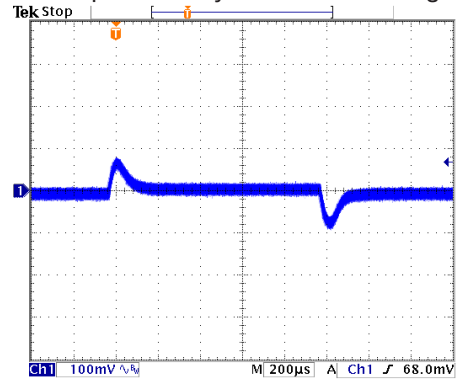


### TMR 12-4810WI

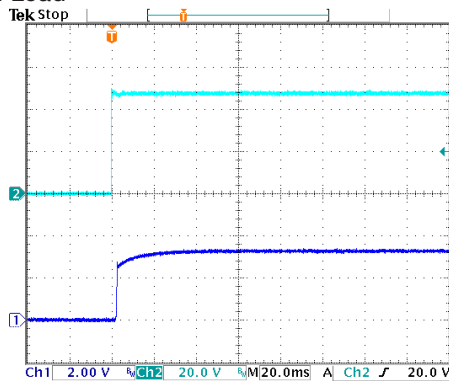
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



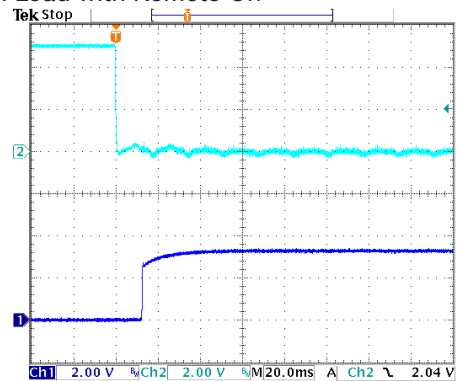
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

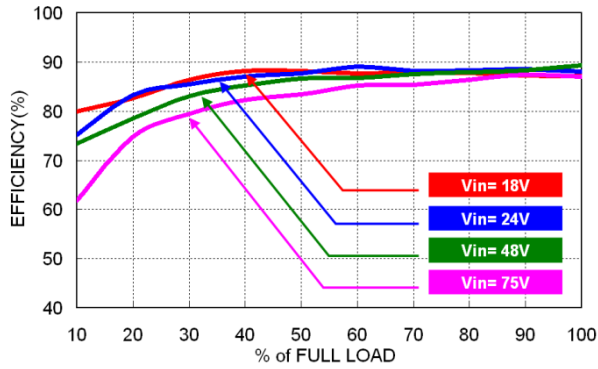


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

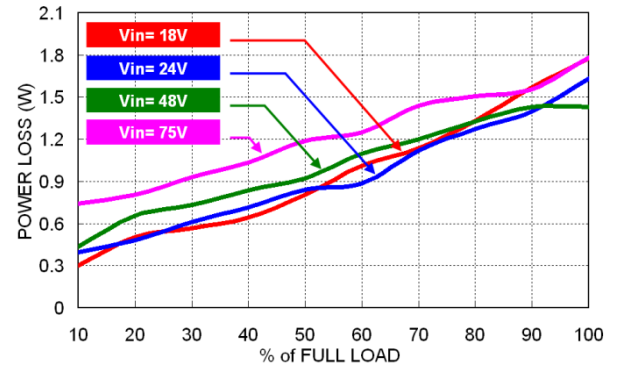


### TMR 12-4811WI

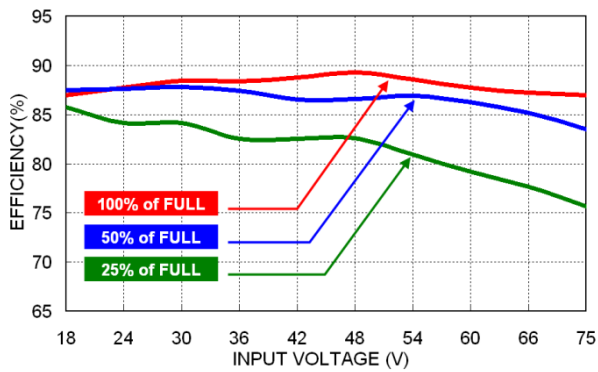
Efficiency versus Output Load



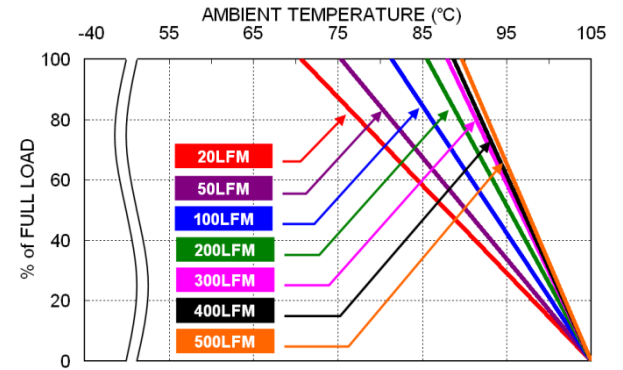
Power Dissipation versus Output Load



Efficiency versus Input Voltage

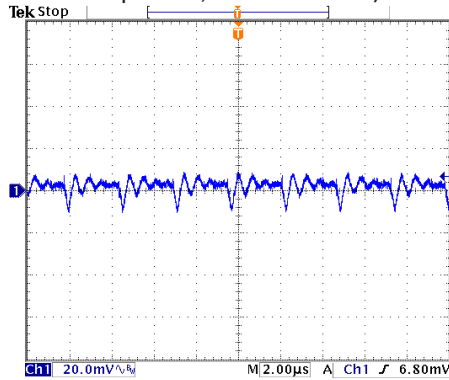


Derating Output Load versus Ambient Temperature

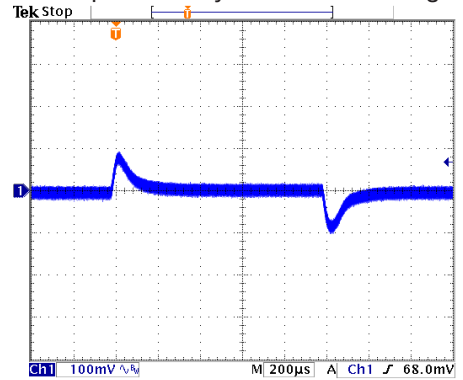


**TMR 12-4811WI**

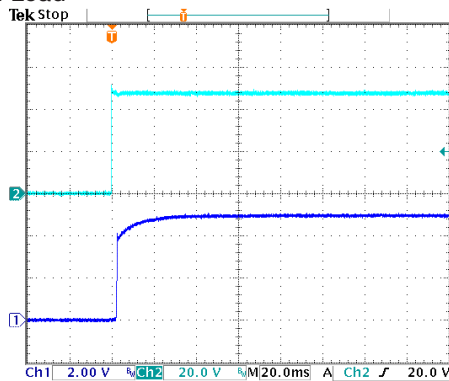
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



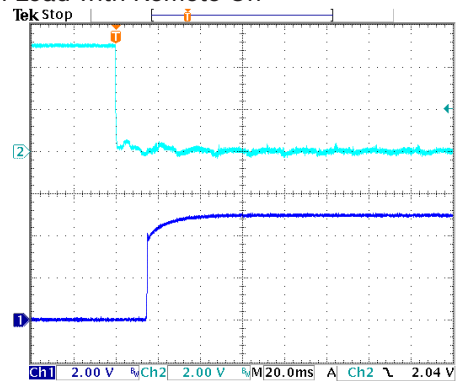
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

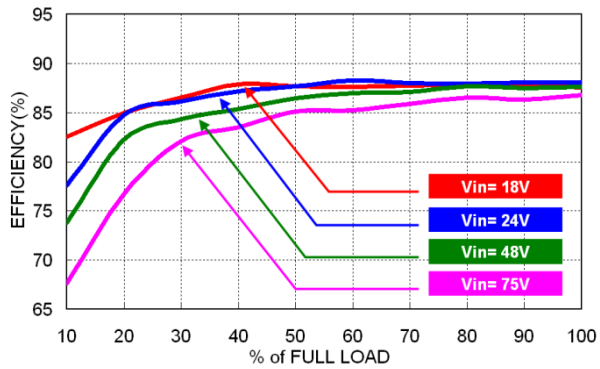


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

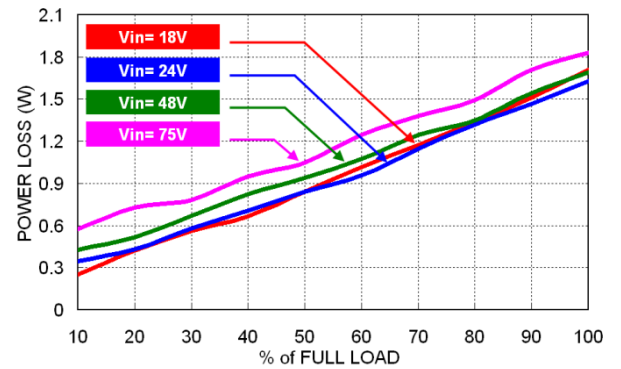


### On Demand model with 48 Vin and 9 Vout

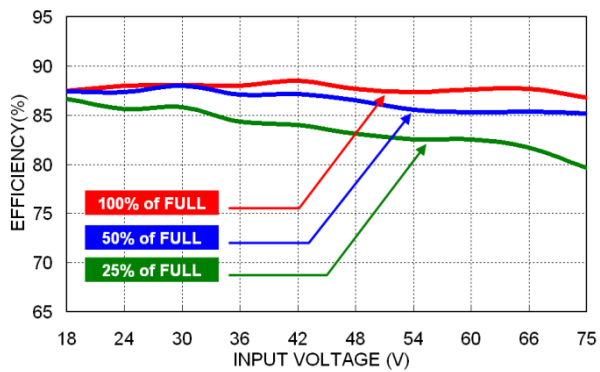
Efficiency versus Output Load



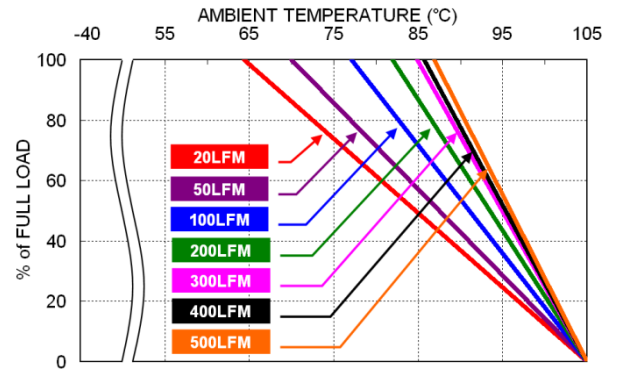
Power Dissipation versus Output Load



Efficiency versus Input Voltage

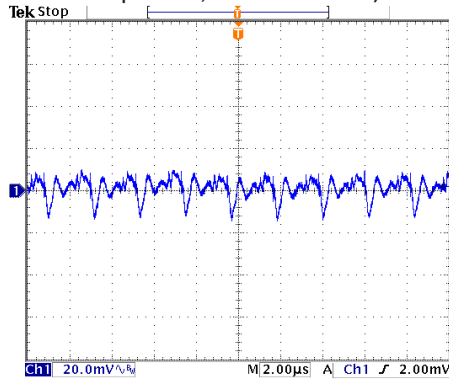


Derating Output Load versus Ambient Temperature

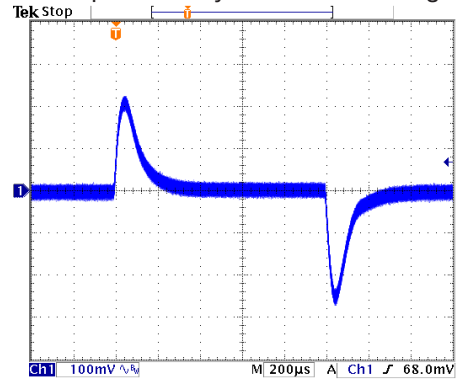


## On Demand model with 48 Vin and 9 Vout

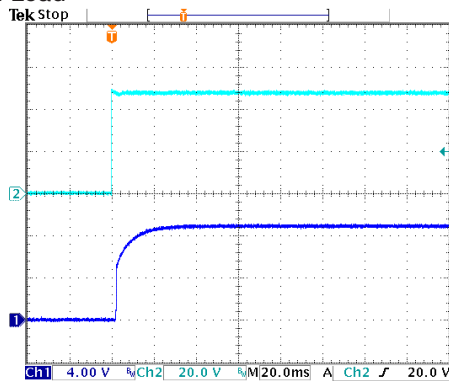
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



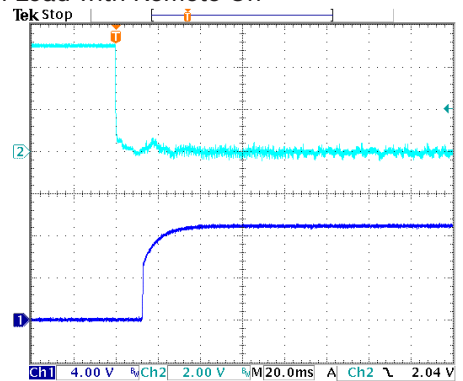
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

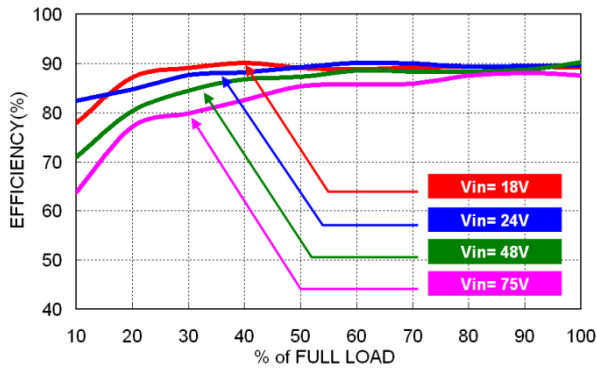


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

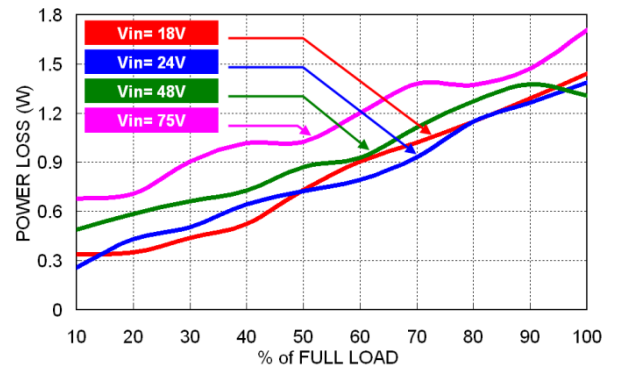


### TMR 12-4812WI

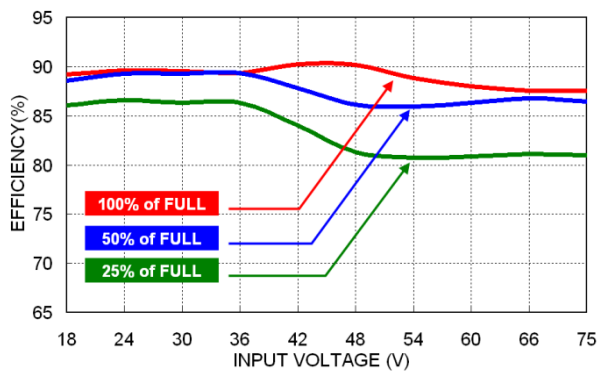
Efficiency versus Output Load



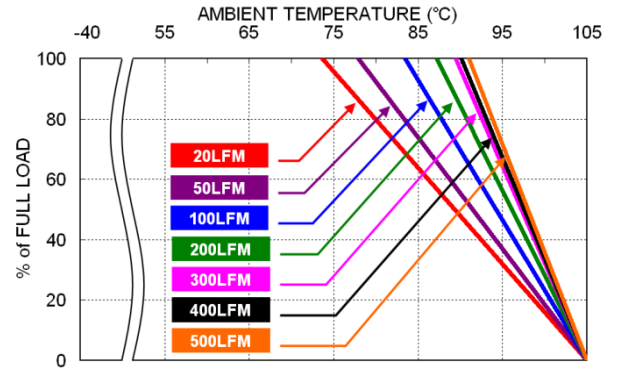
Power Dissipation versus Output Load



Efficiency versus Input Voltage

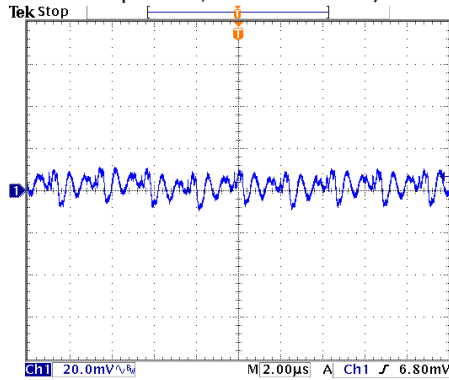


Derating Output Load versus Ambient Temperature

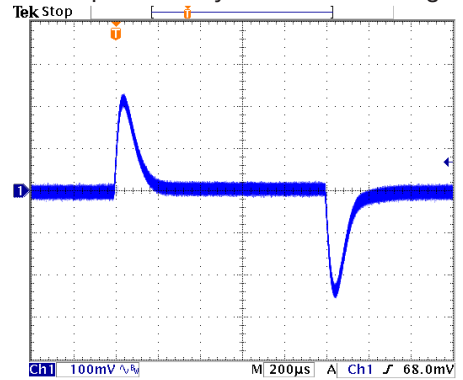


## TMR 12-4812WI

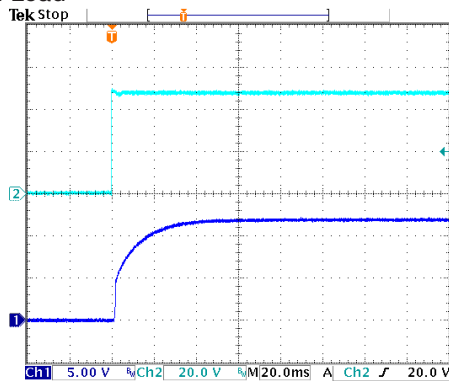
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



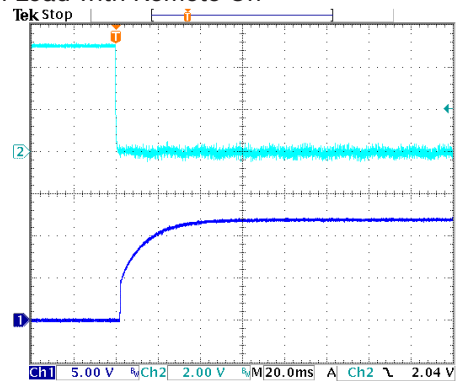
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



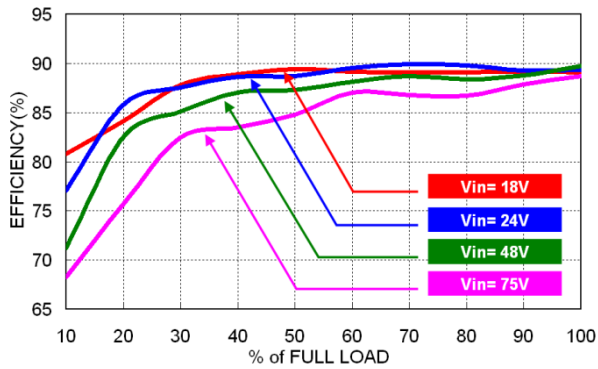
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



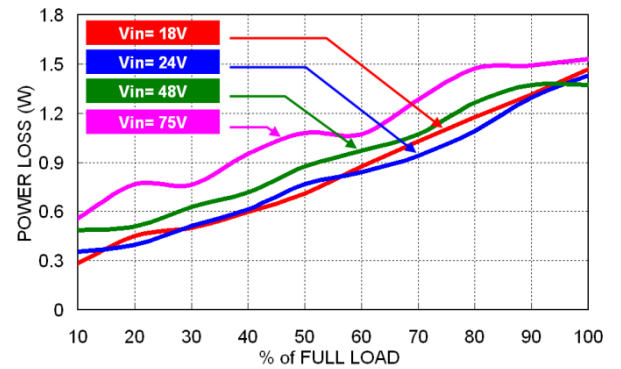


### TMR 12-4813WI

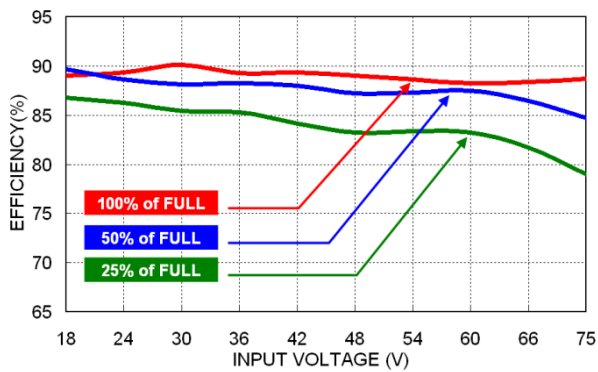
Efficiency versus Output Load



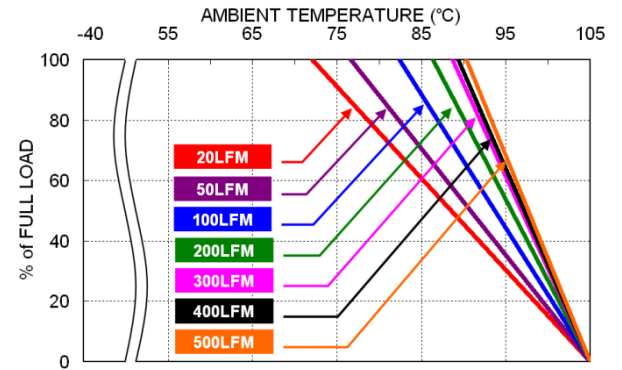
Power Dissipation versus Output Load



Efficiency versus Input Voltage

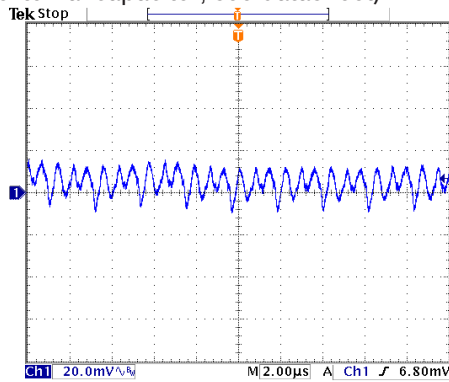


Derating Output Load versus Ambient Temperature

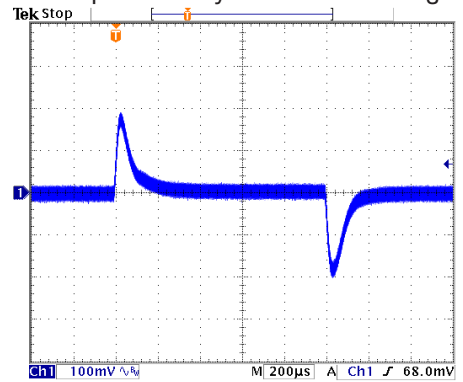


### TMR 12-4813WI

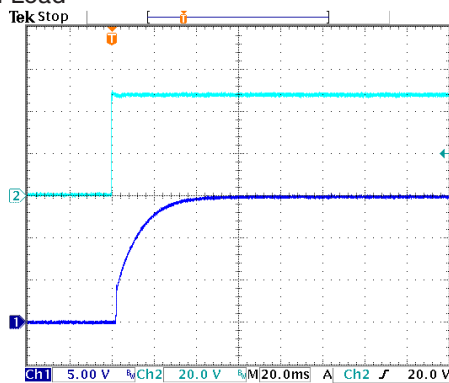
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



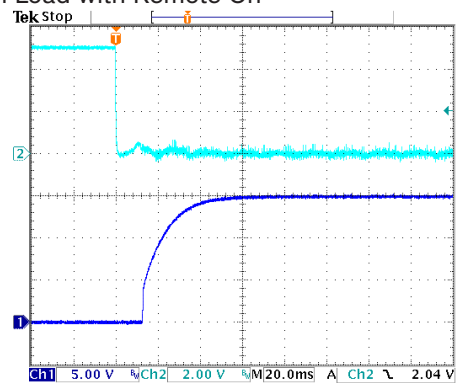
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

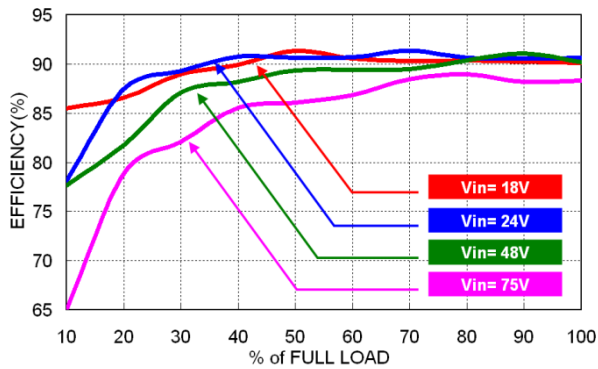


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

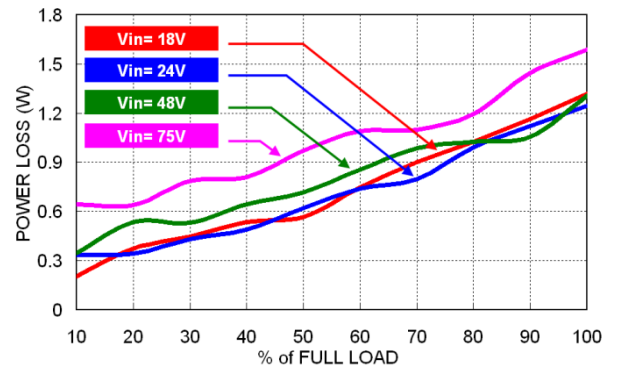


### TMR 12-4815WI

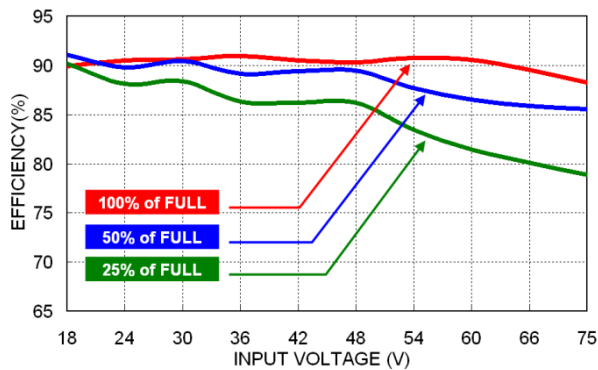
Efficiency versus Output Load



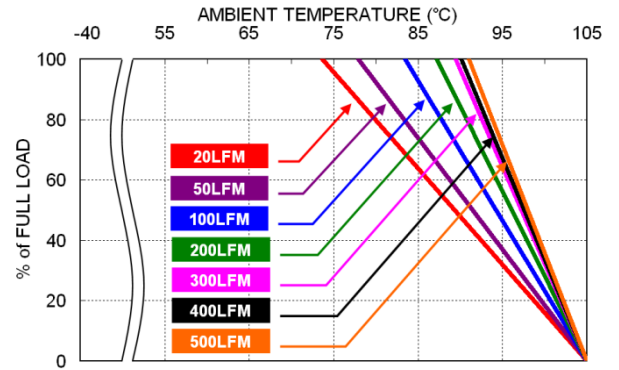
Power Dissipation versus Output Load



Efficiency versus Input Voltage

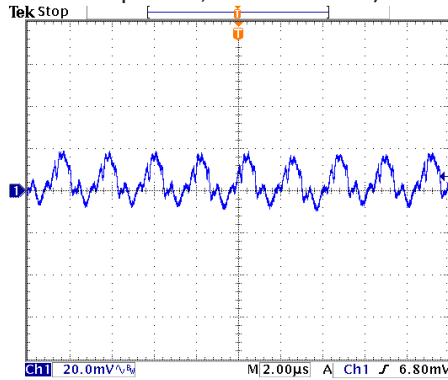


Derating Output Load versus Ambient Temperature

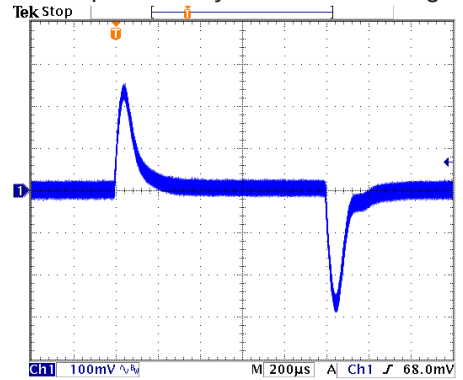


**TMR 12-4815WI**

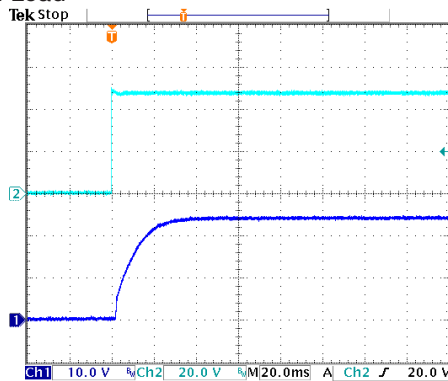
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



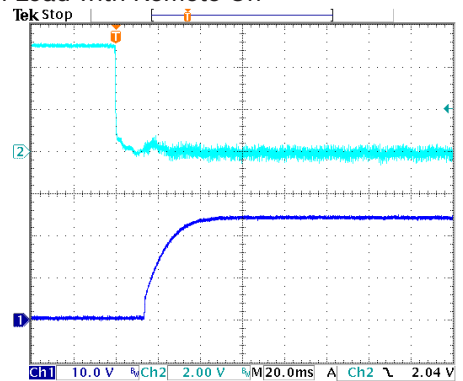
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

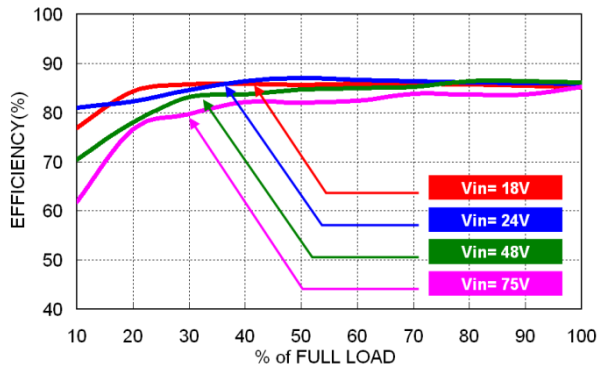


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

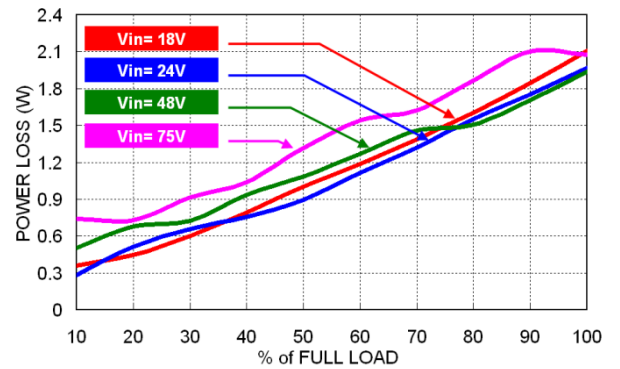


### TMR 12-4821WI

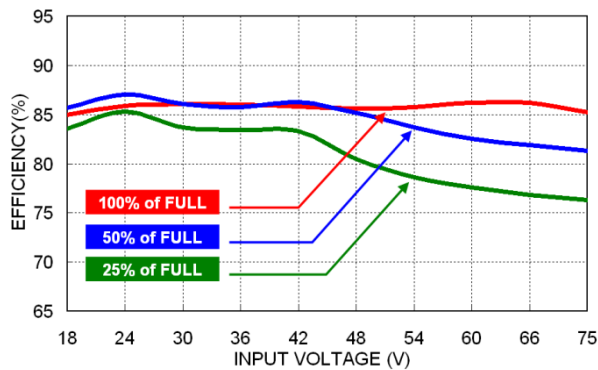
Efficiency versus Output Load



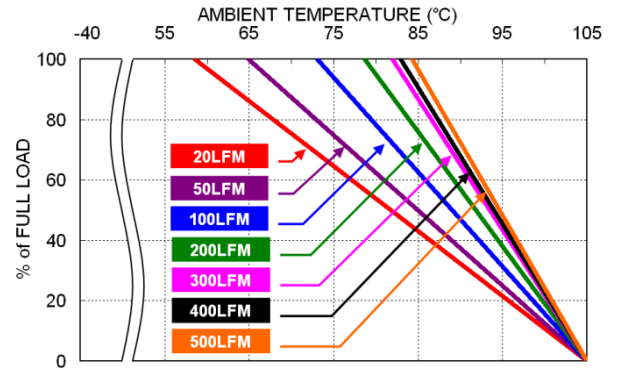
Power Dissipation versus Output Load



Efficiency versus Input Voltage

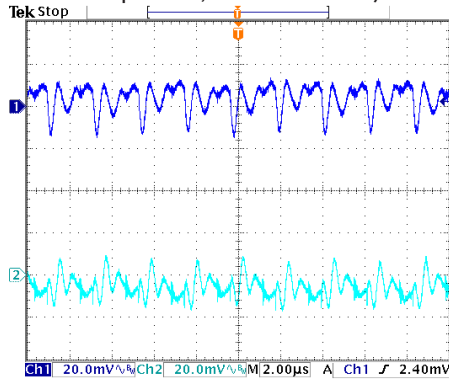


Derating Output Load versus Ambient Temperature

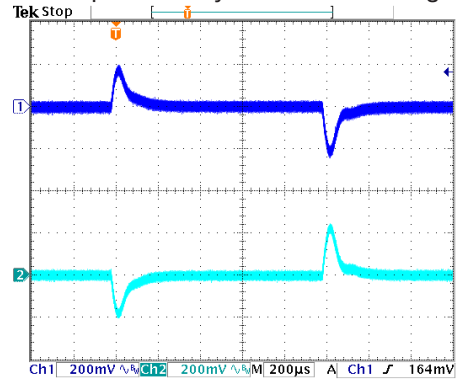


**TMR 12-4821WI**

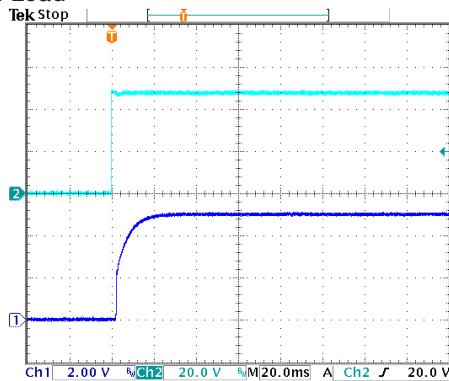
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



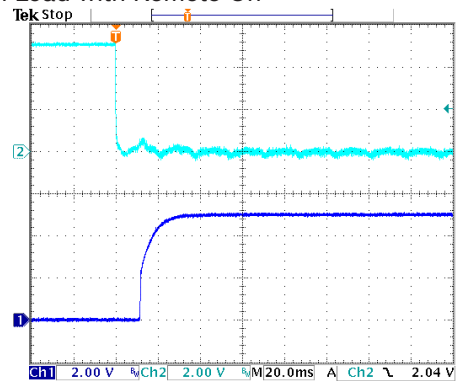
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load

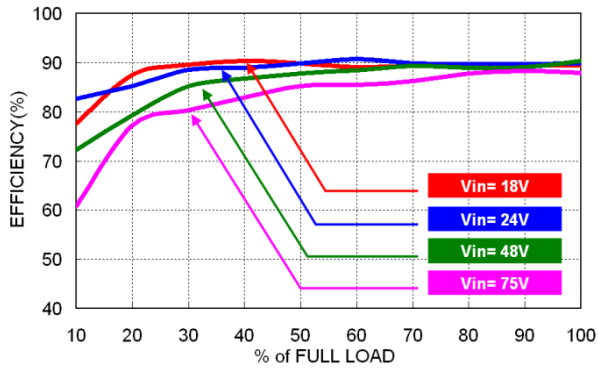


Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On

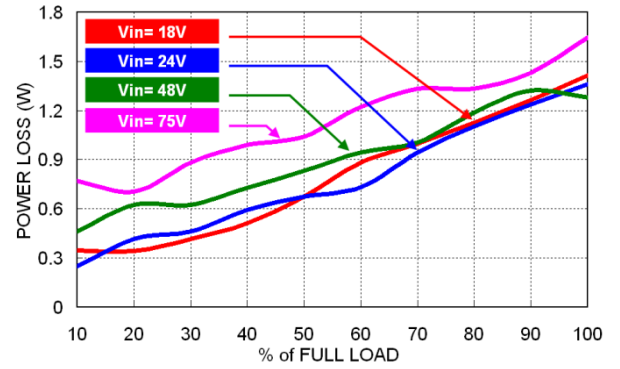


### TMR 12-4822WI

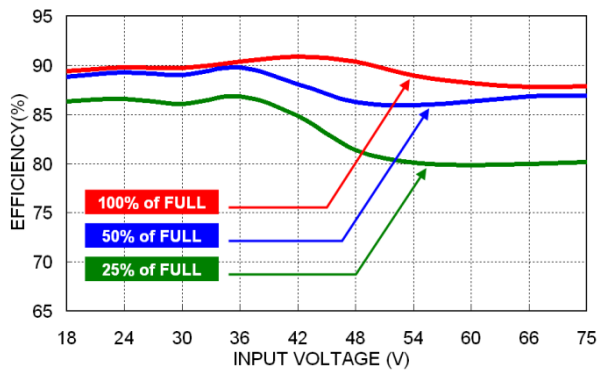
Efficiency versus Output Load



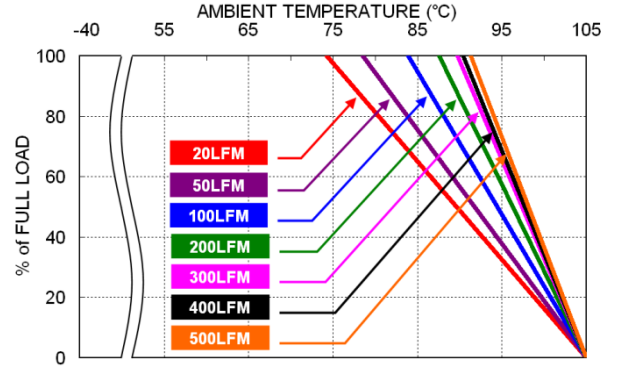
Power Dissipation versus Output Load



Efficiency versus Input Voltage

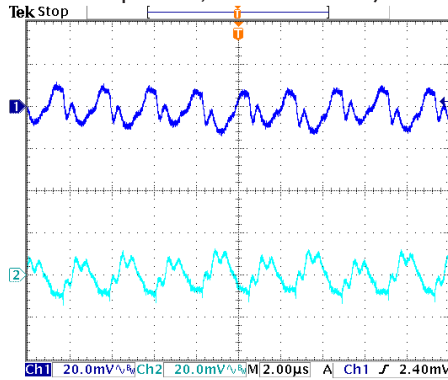


Derating Output Load versus Ambient Temperature

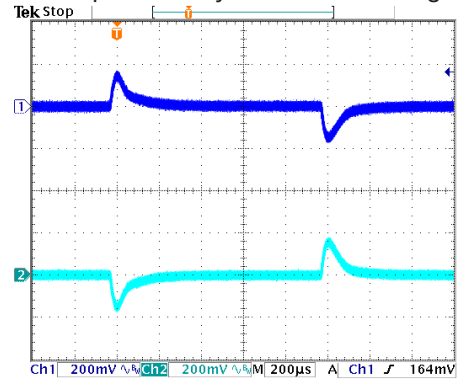


**TMR 12-4822WI**

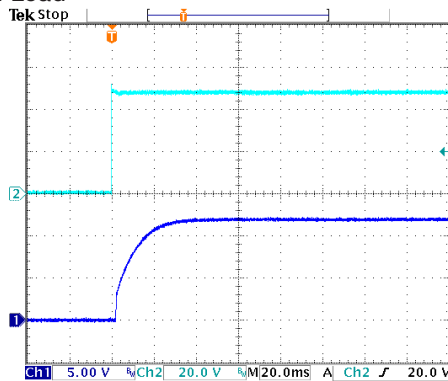
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



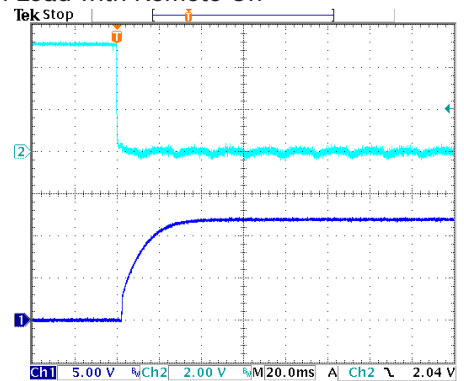
Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic  
at Full Load



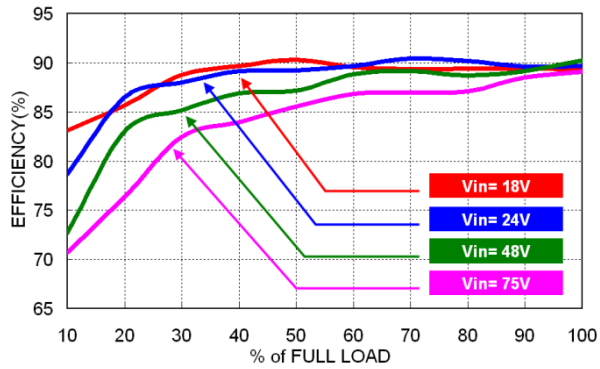
Typical Input/Output Start-Up Characteristic  
at Full Load with Remote On



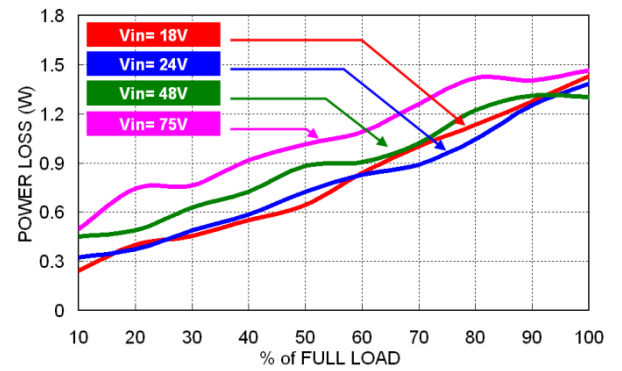


### TMR 12-4823WI

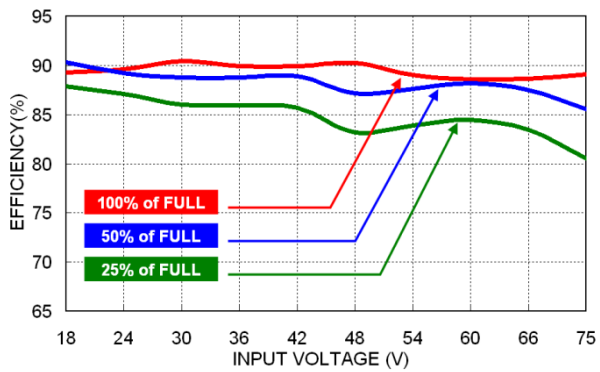
Efficiency versus Output Load



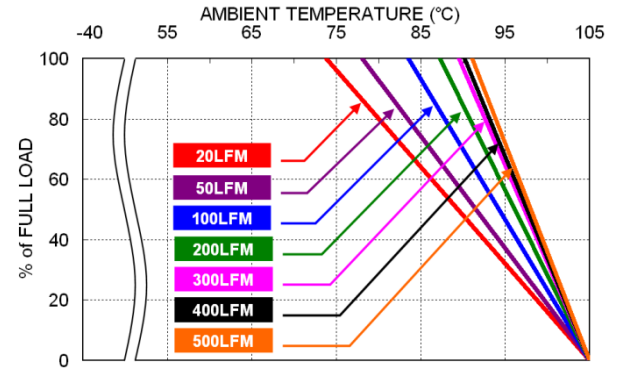
Power Dissipation versus Output Load



Efficiency versus Input Voltage

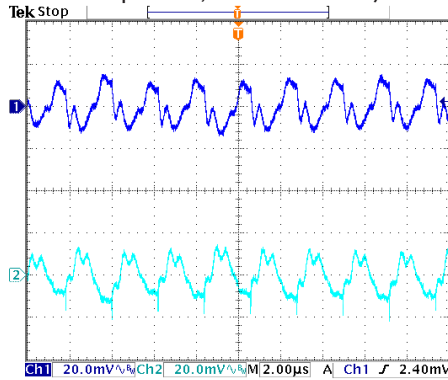


Derating Output Load versus Ambient Temperature

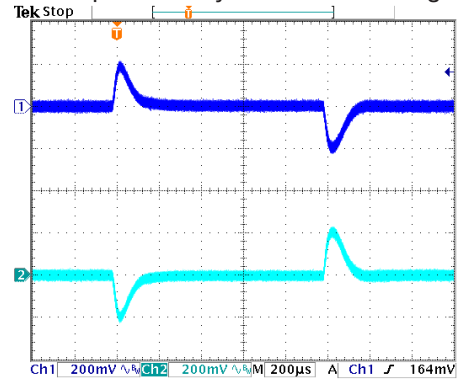


**TMR 12-4823WI**

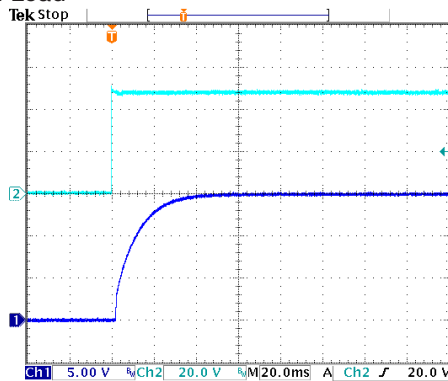
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



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

