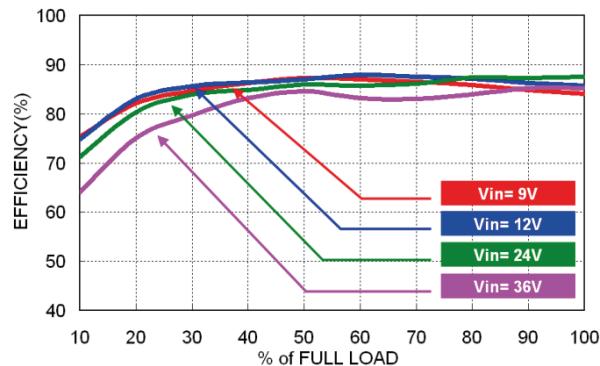
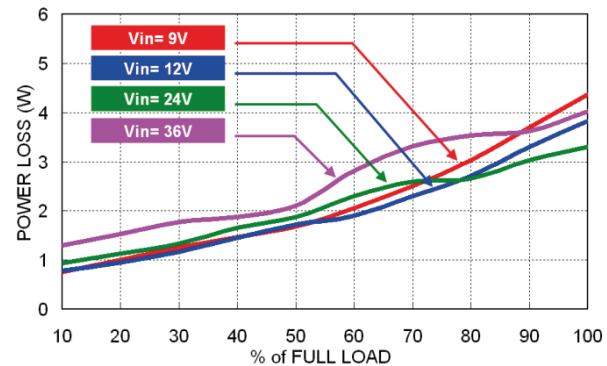
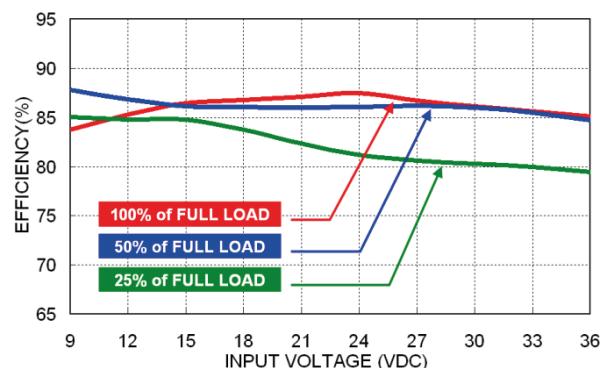
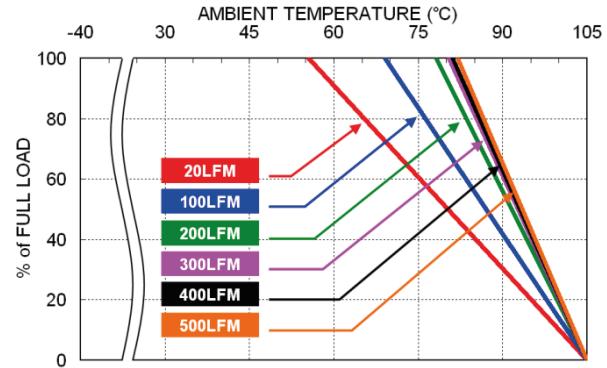
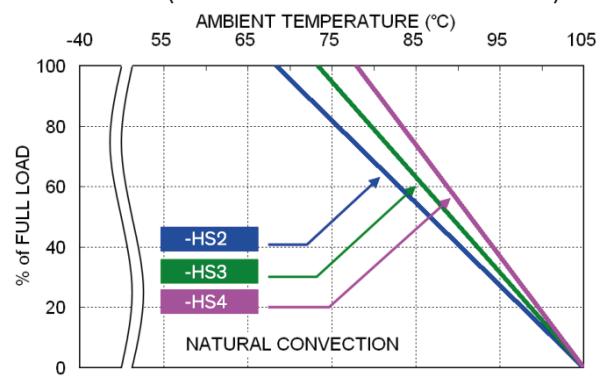
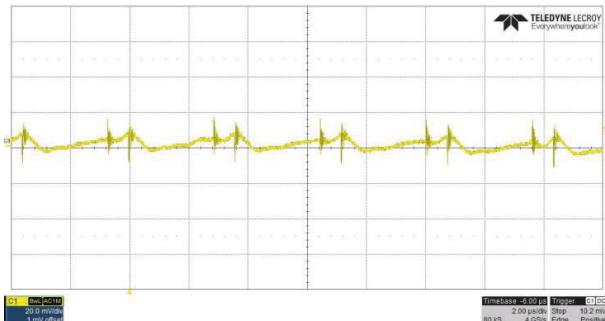


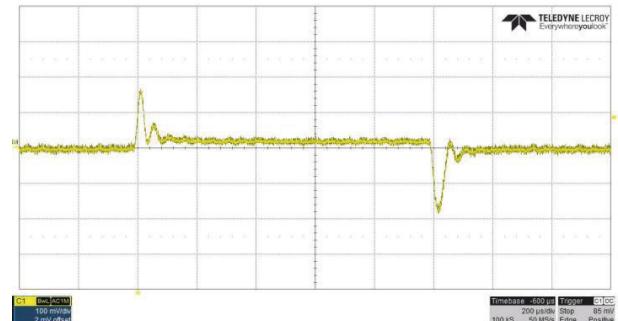
Characteristic Curves
THN 30-2410WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2410WIR

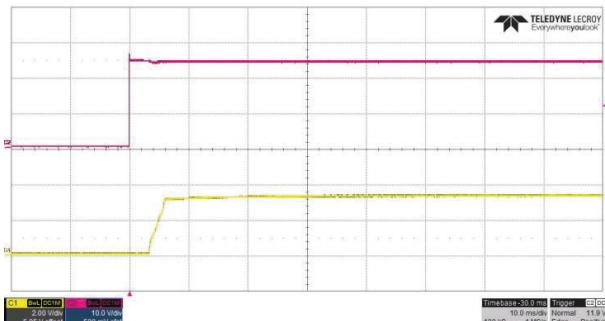
Typical Output Ripple and Noise



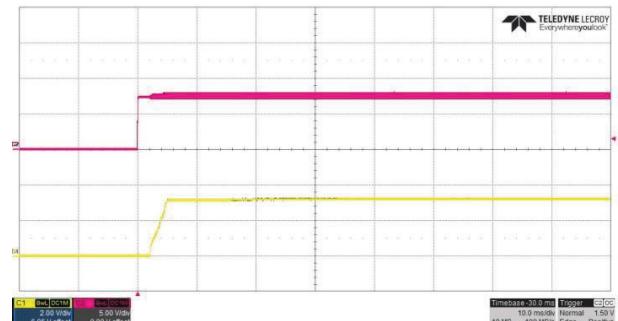
Transient Response to Dynamic Load Change (25%)

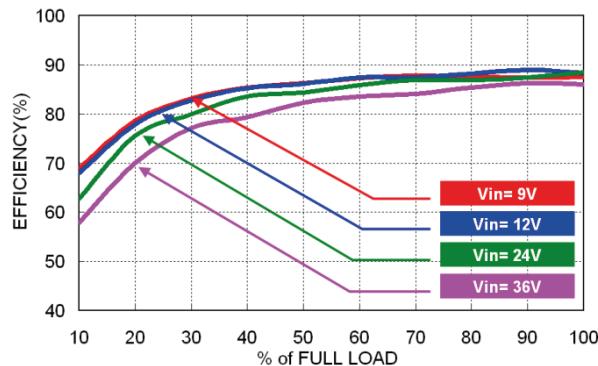
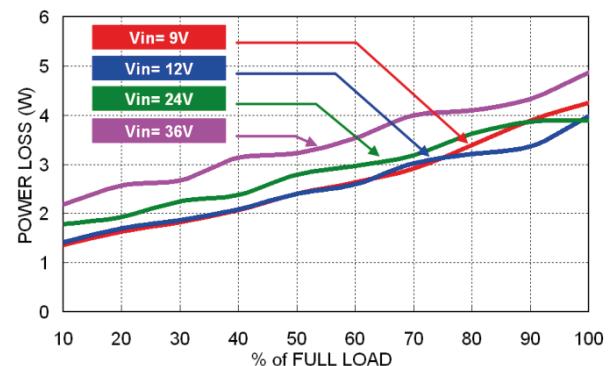
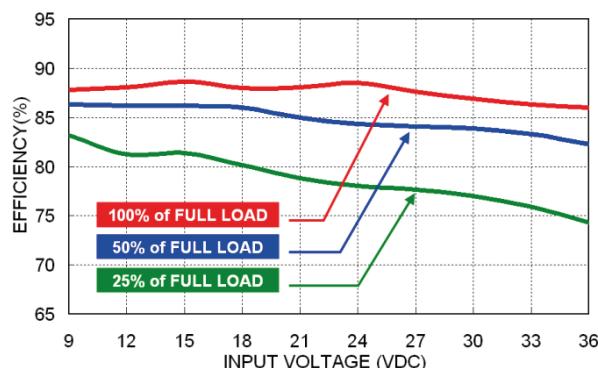
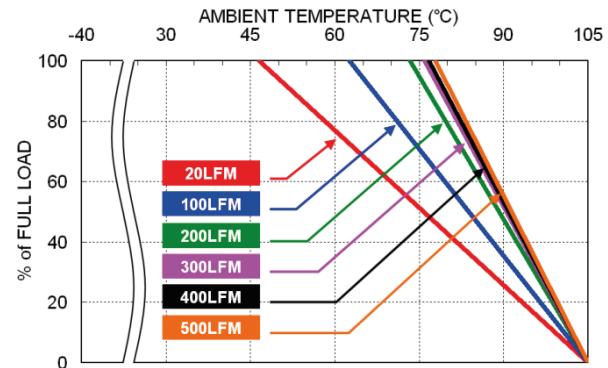
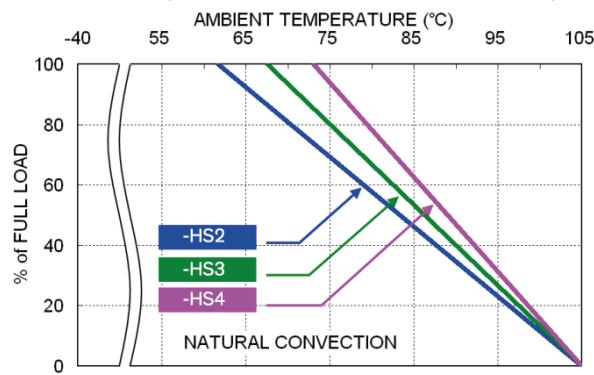


Typical Start-Up and Output Rise Characteristic at Full Load



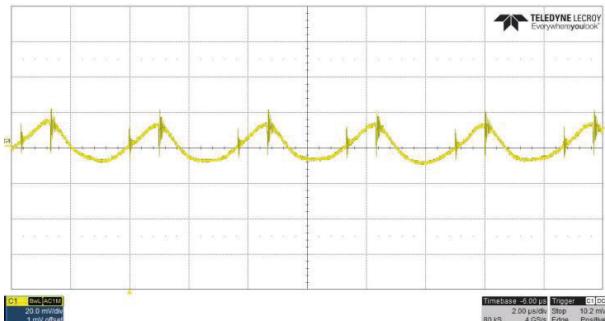
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



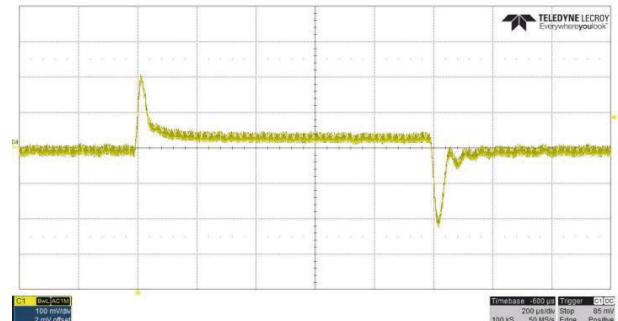
THN 30-2411WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2411WIR

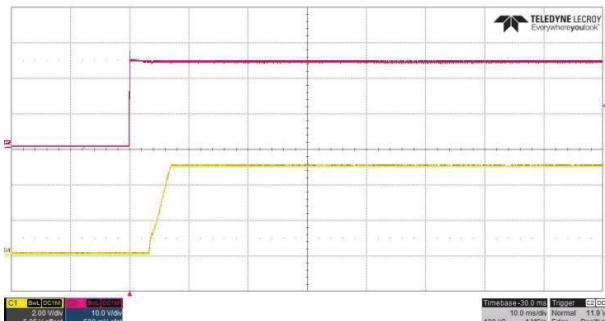
Typical Output Ripple and Noise



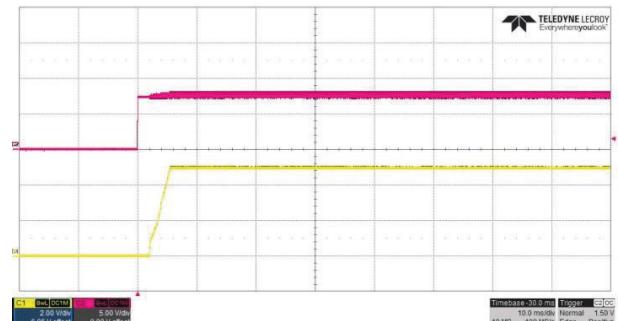
Transient Response to Dynamic Load Change (25%)

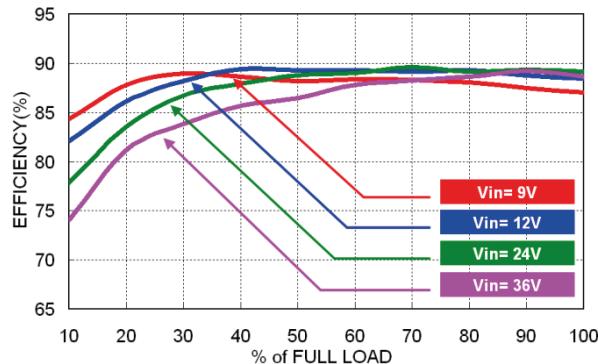
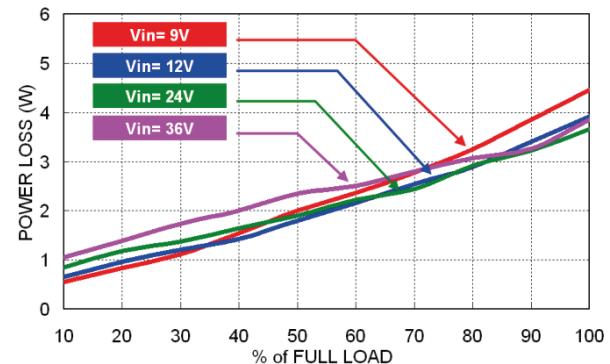
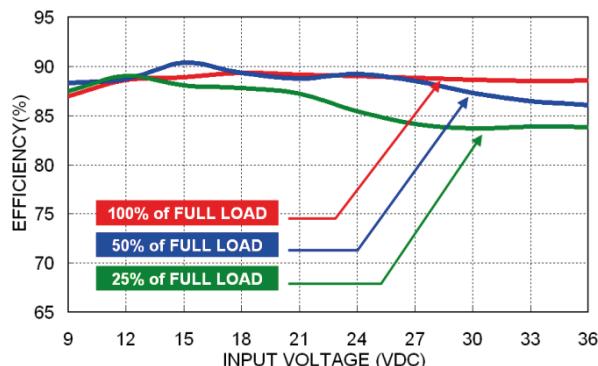
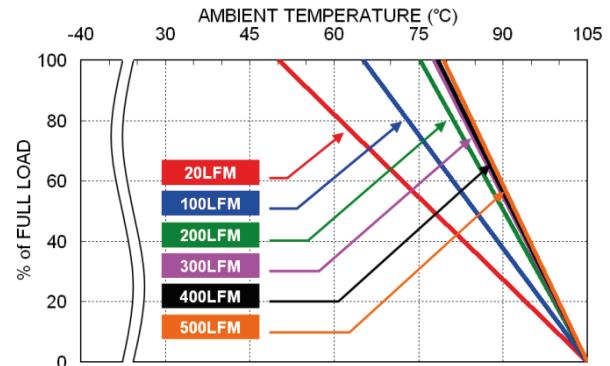
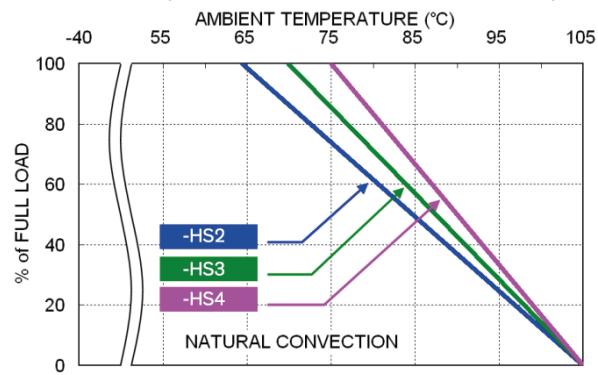


Typical Start-Up and Output Rise Characteristic at Full Load



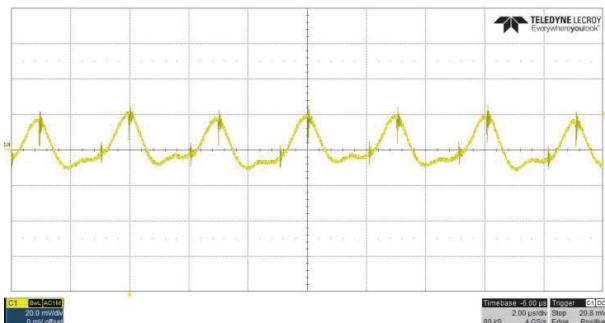
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



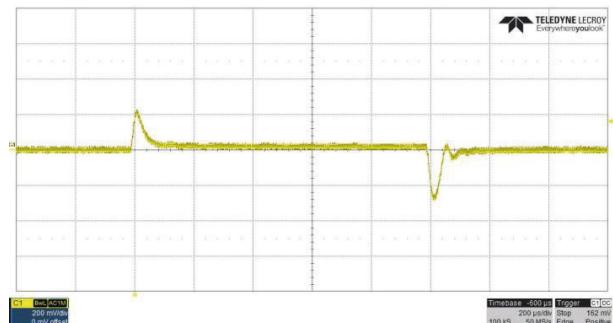
THN 30-2412WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2412WIR

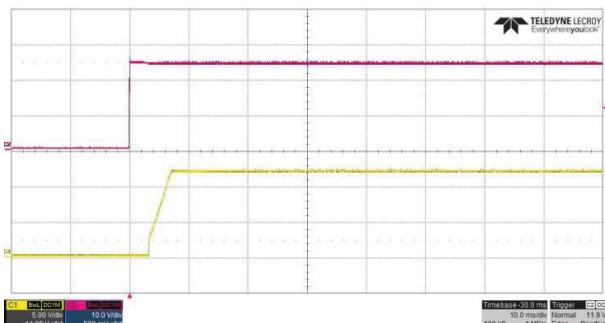
Typical Output Ripple and Noise



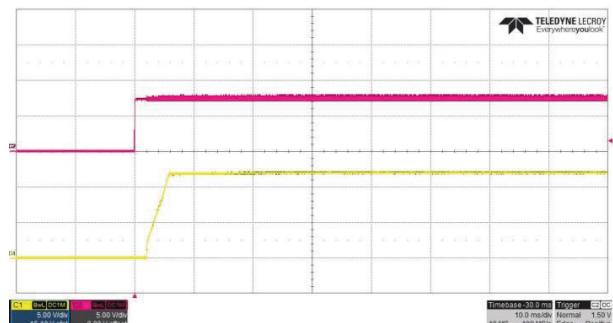
Transient Response to Dynamic Load Change (25%)

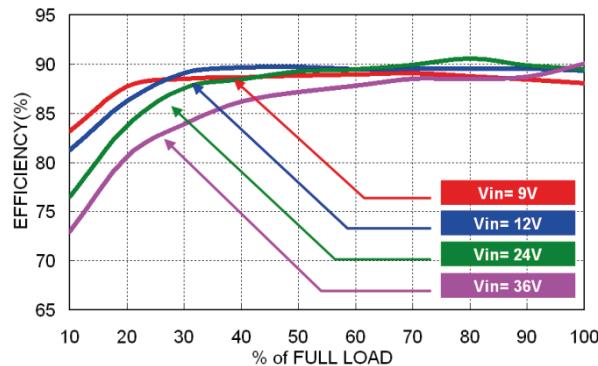
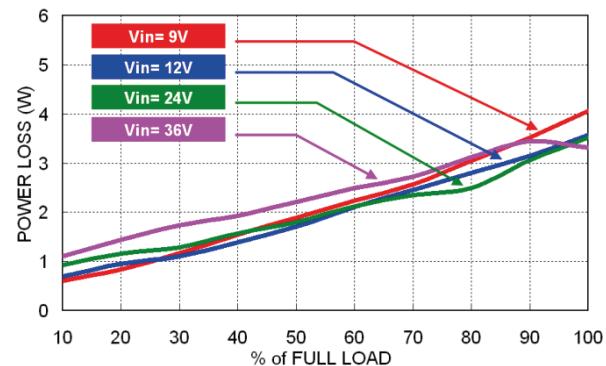
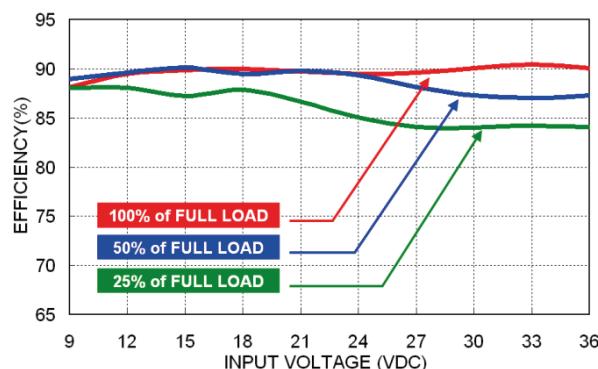
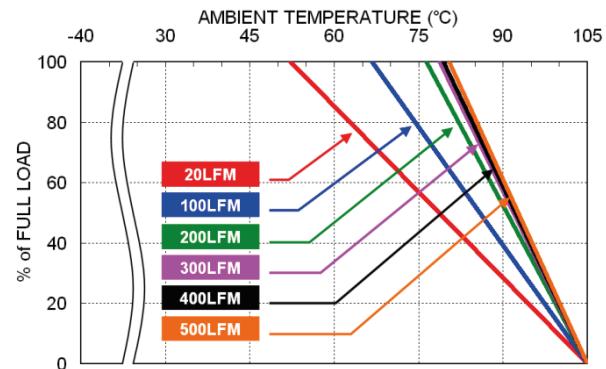
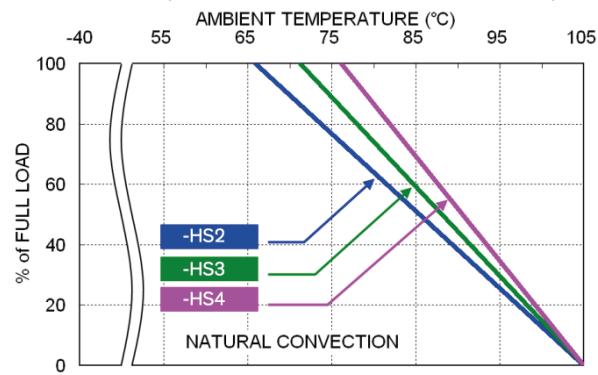


Typical Start-Up and Output Rise Characteristic at Full Load



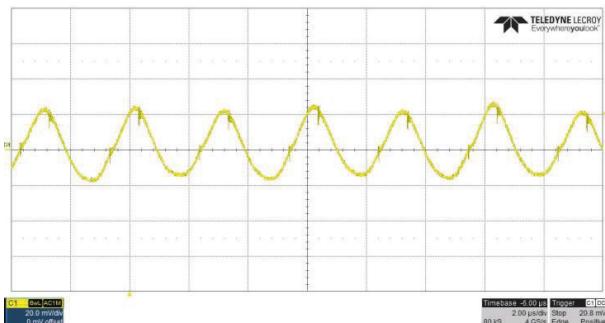
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



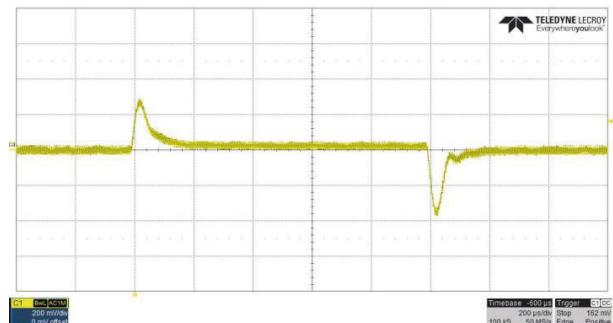
THN 30-2413WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2413WIR

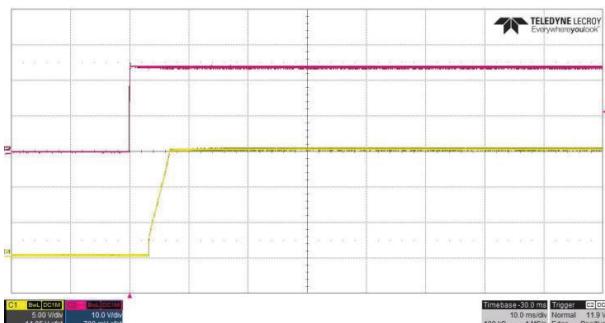
Typical Output Ripple and Noise



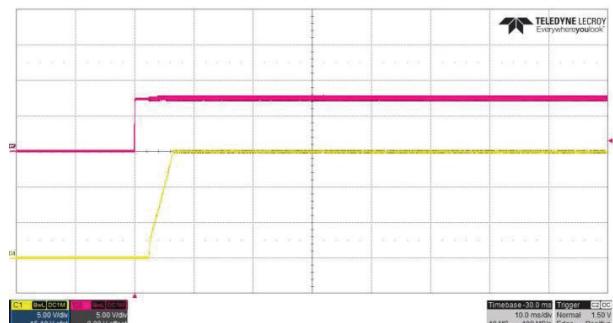
Transient Response to Dynamic Load Change (25%)

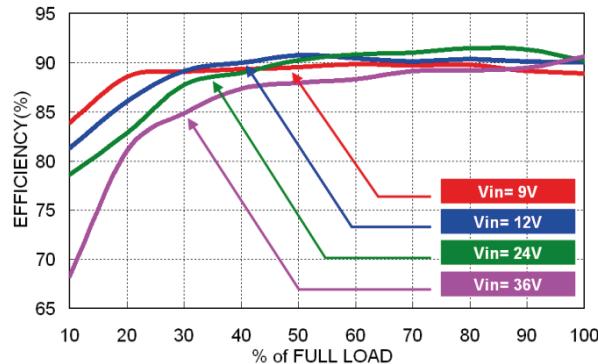
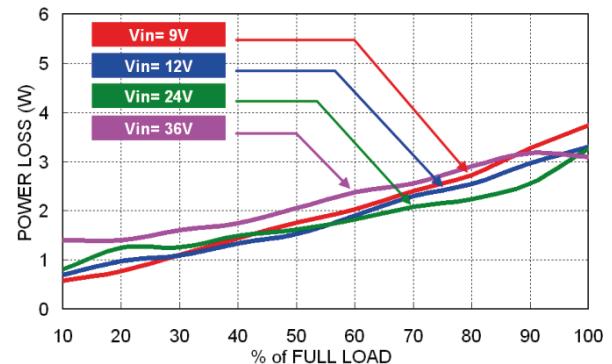
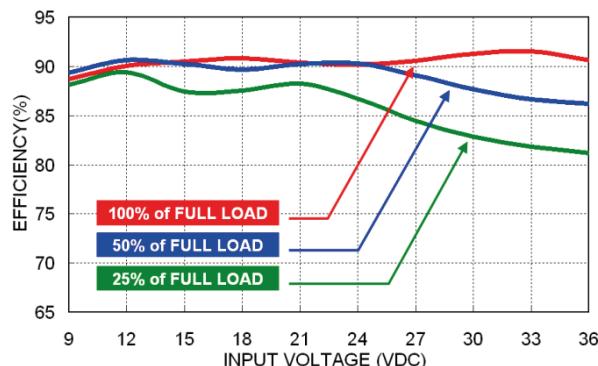
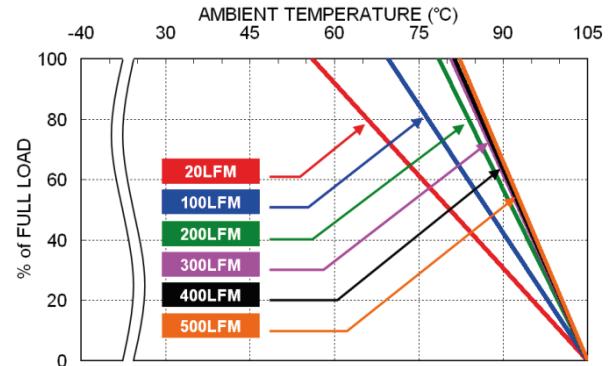
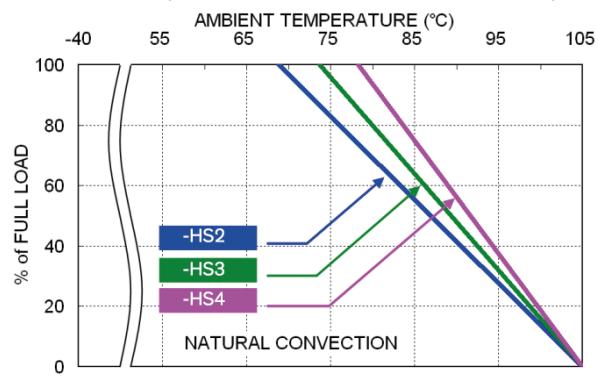


Typical Start-Up and Output Rise Characteristic at Full Load



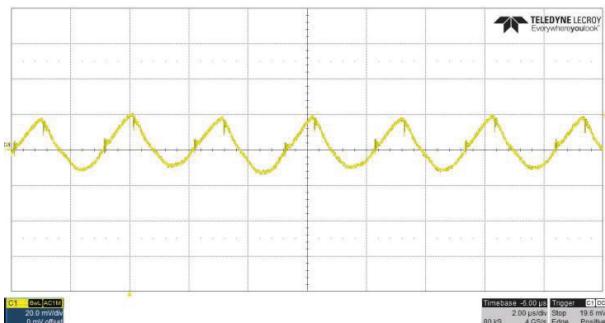
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



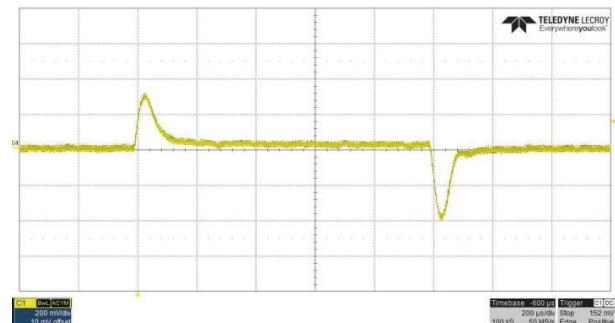
THN 30-2415WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2415WIR

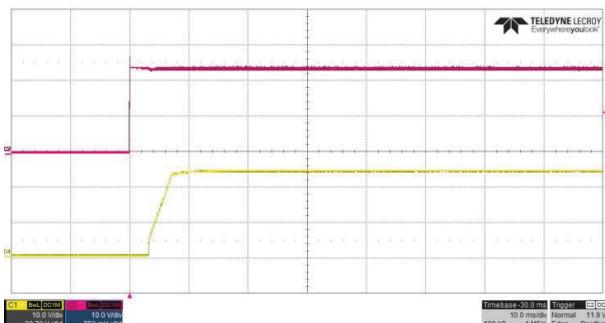
Typical Output Ripple and Noise



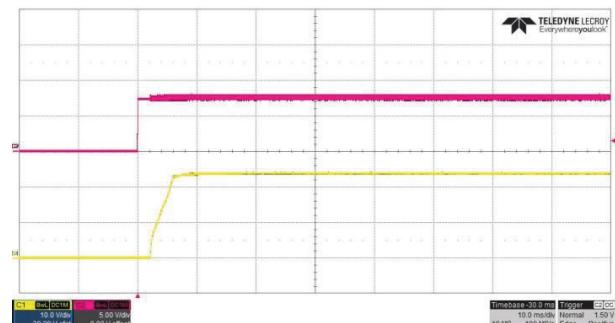
Transient Response to Dynamic Load Change (25%)

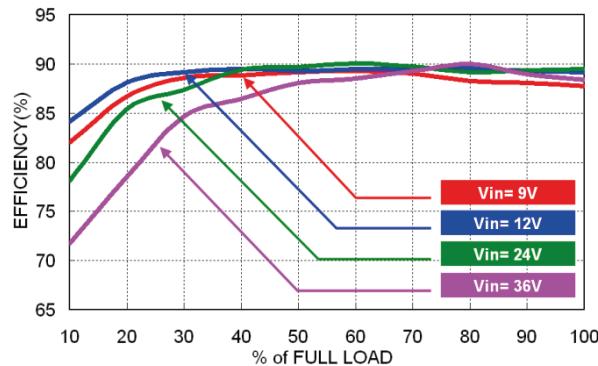
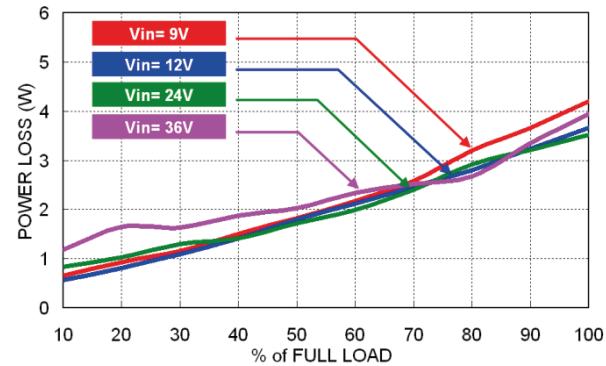
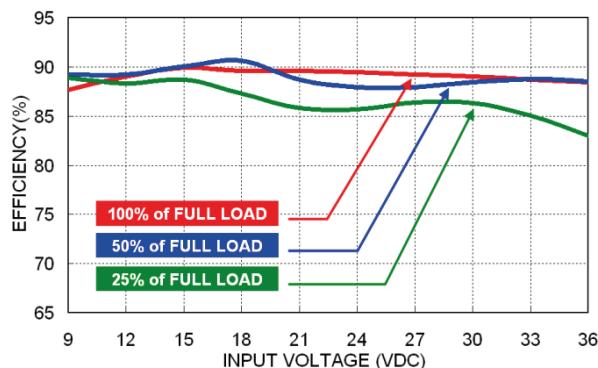
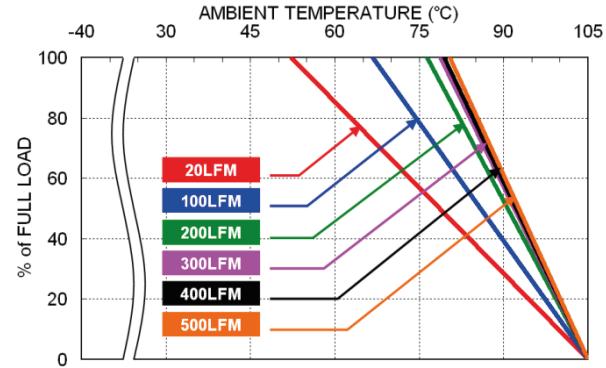
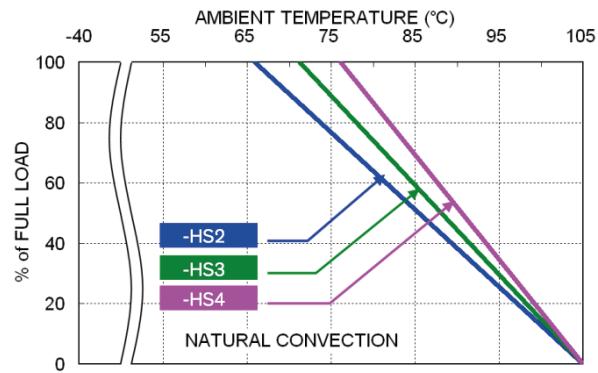


Typical Start-Up and Output Rise Characteristic at Full Load



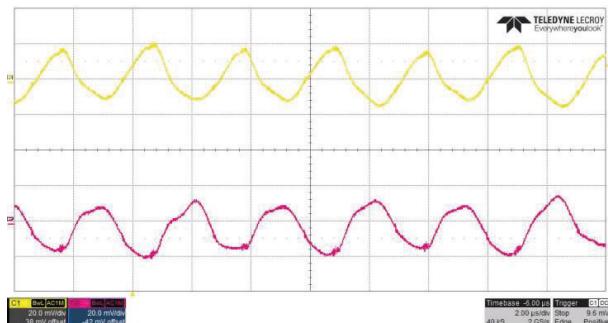
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



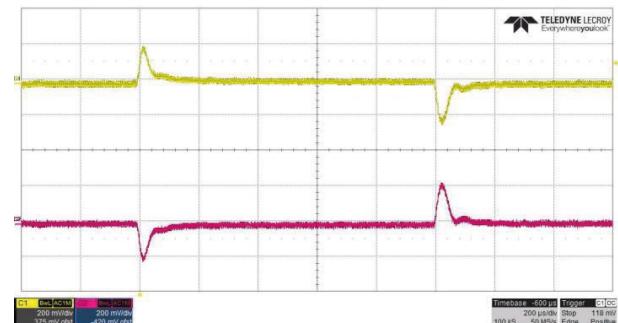
THN 30-2422WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2422WIR

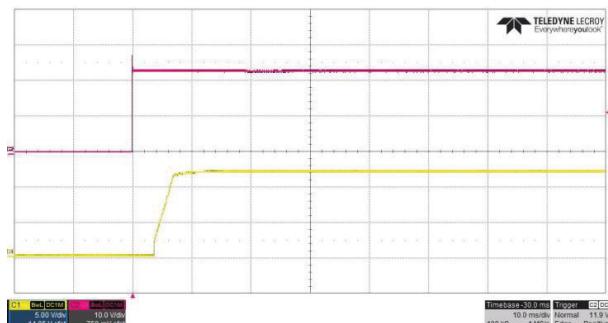
Typical Output Ripple and Noise



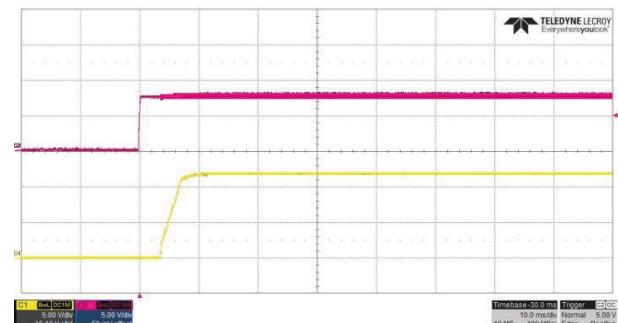
Transient Response to Dynamic Load Change (25%)

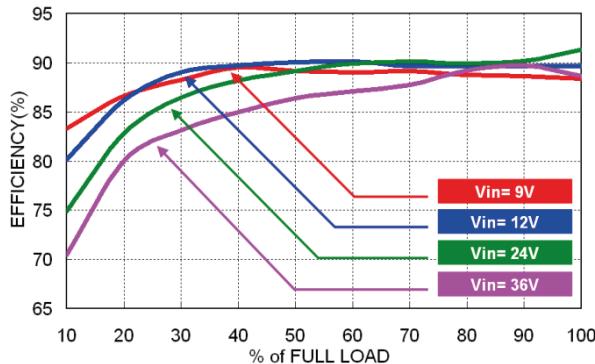
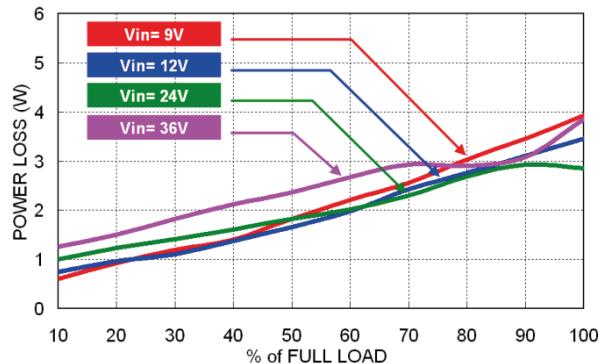
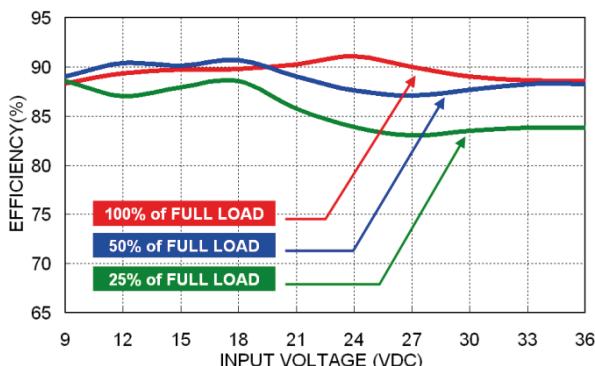
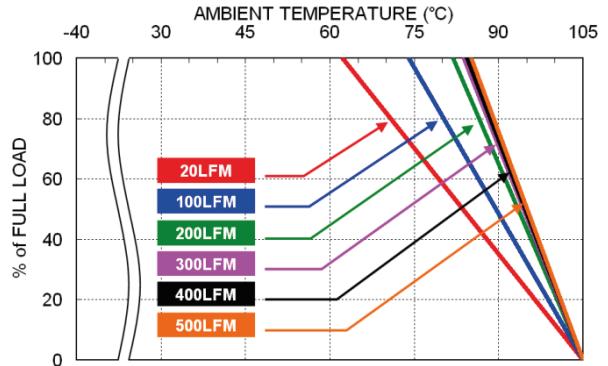
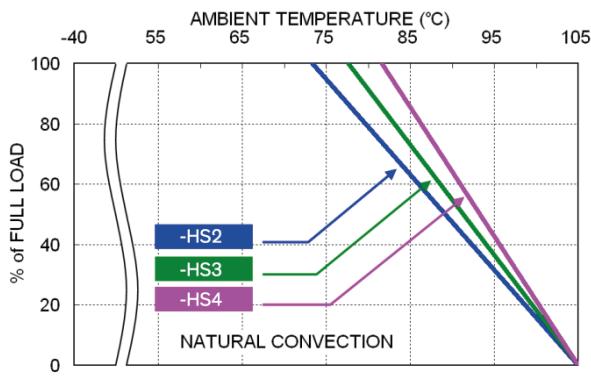


Typical Start-Up and Output Rise Characteristic at Full Load



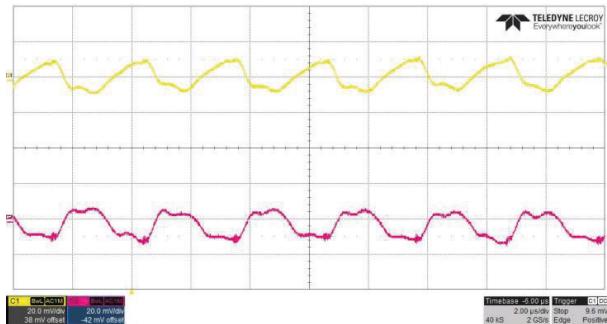
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



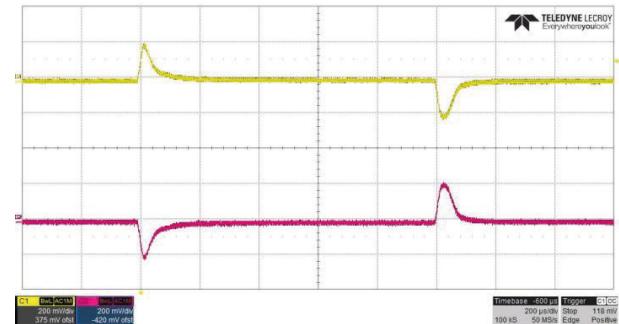
THN 30-2423WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2423WIR

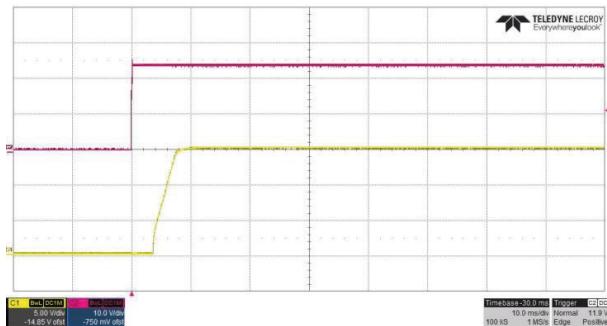
Typical Output Ripple and Noise



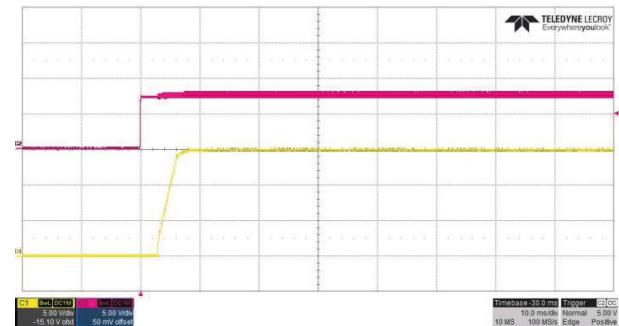
Transient Response to Dynamic Load Change (25%)

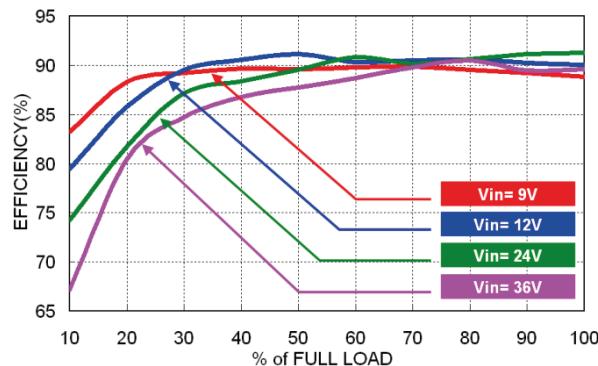
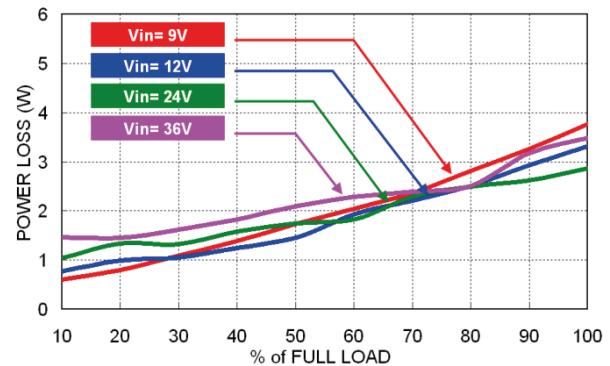
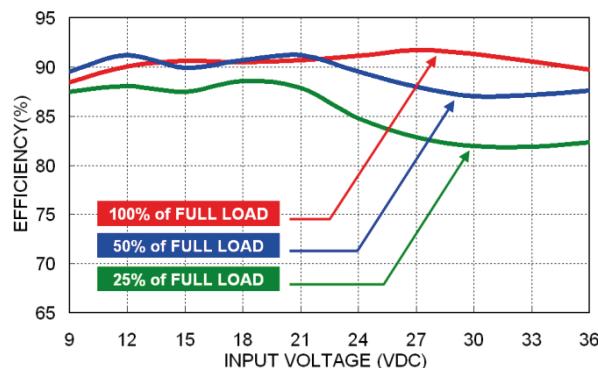
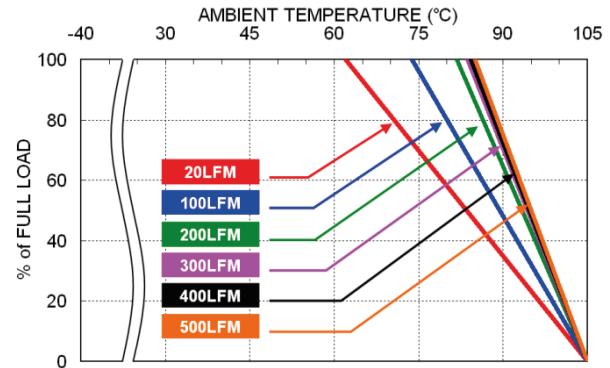
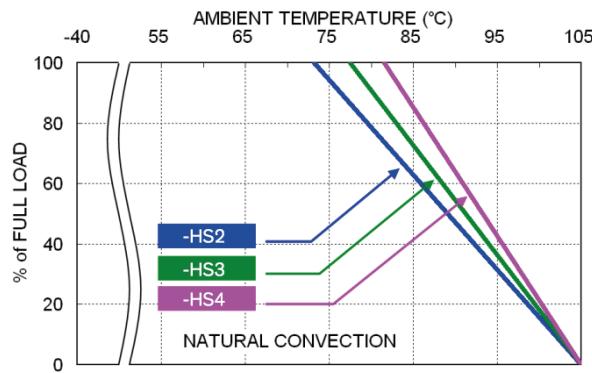


Typical Start-Up and Output Rise Characteristic at Full Load



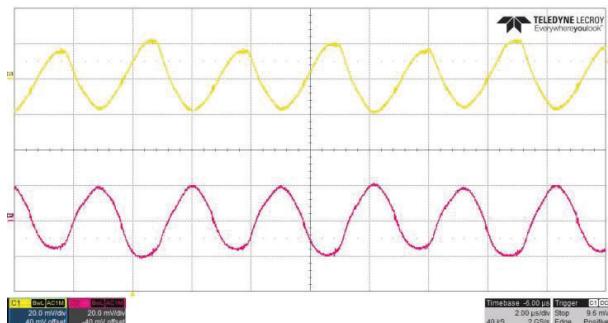
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



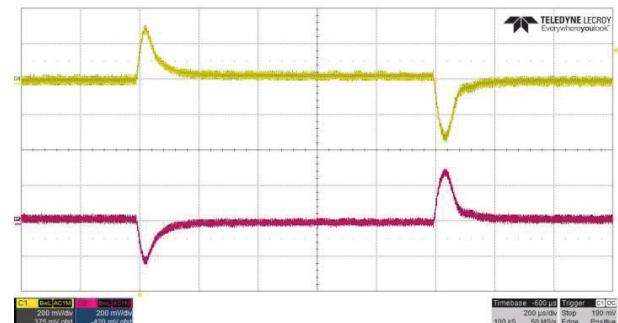
THN 30-2425WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-2425WIR

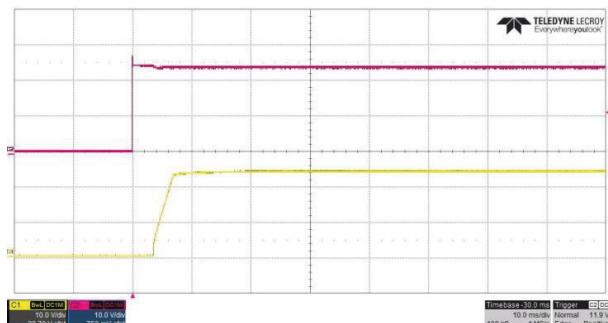
Typical Output Ripple and Noise



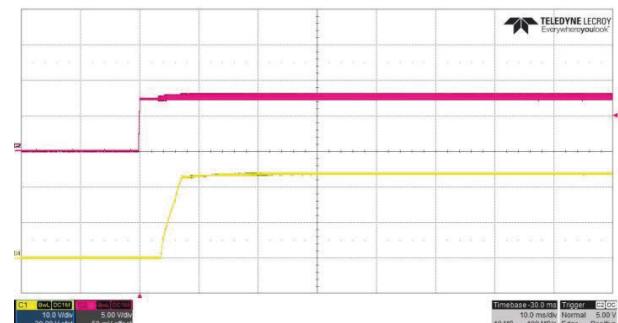
Transient Response to Dynamic Load Change (25%)

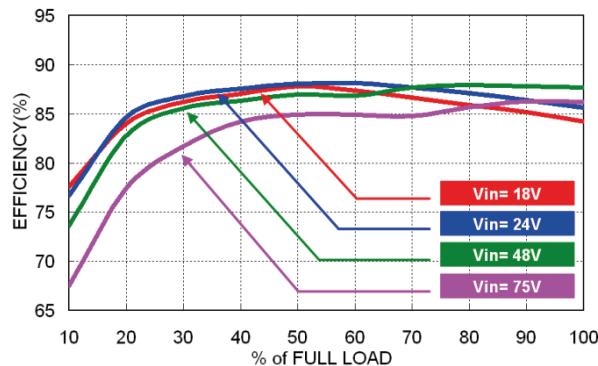
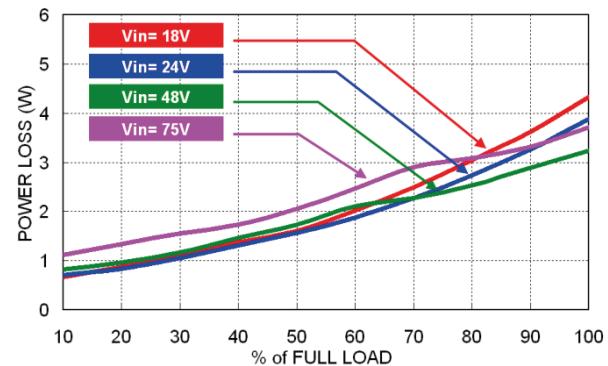
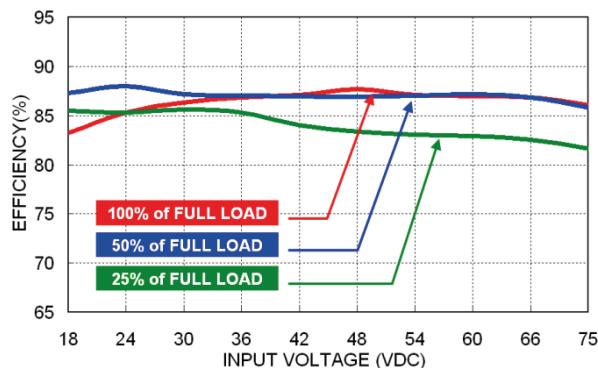
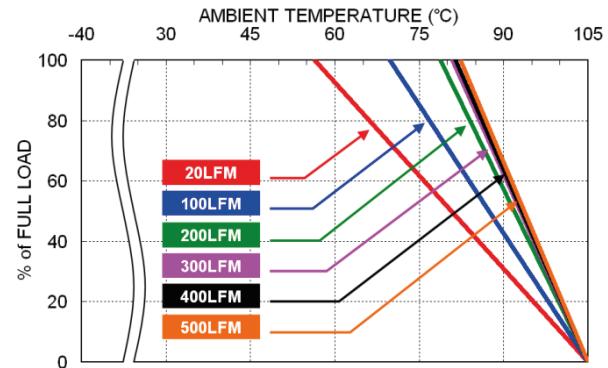
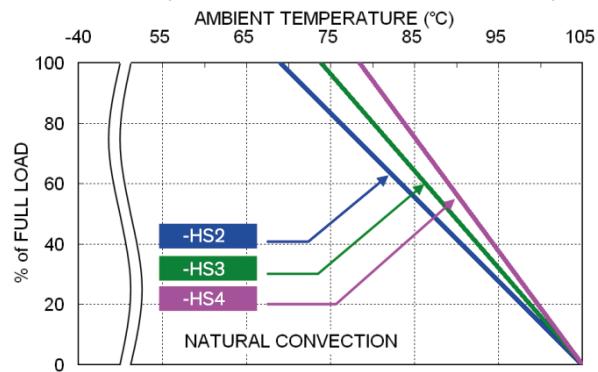


Typical Start-Up and Output Rise Characteristic at Full Load



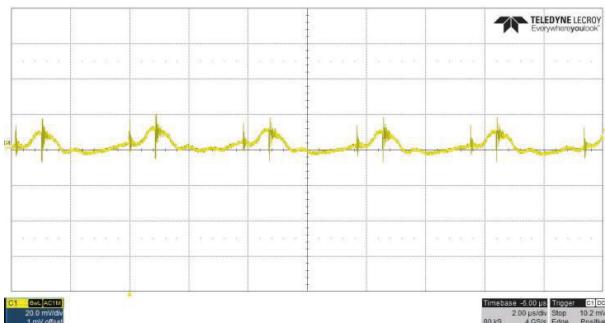
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



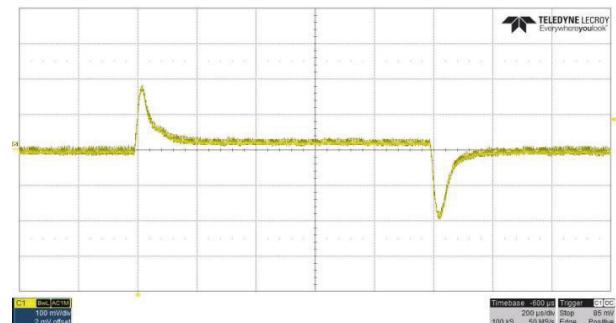
THN 30-4810WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4810WIR

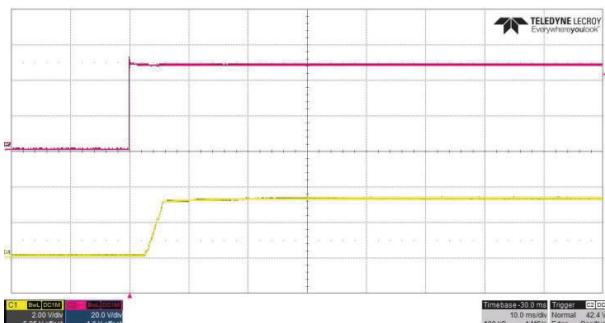
Typical Output Ripple and Noise



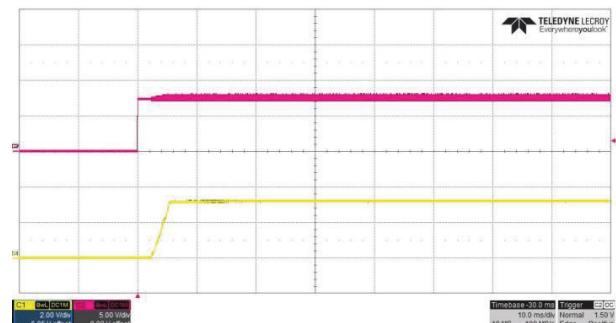
Transient Response to Dynamic Load Change (25%)

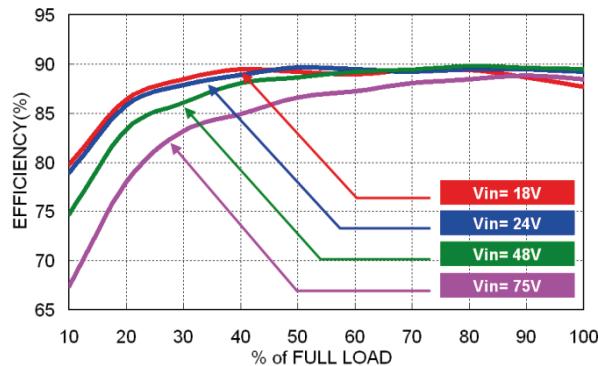
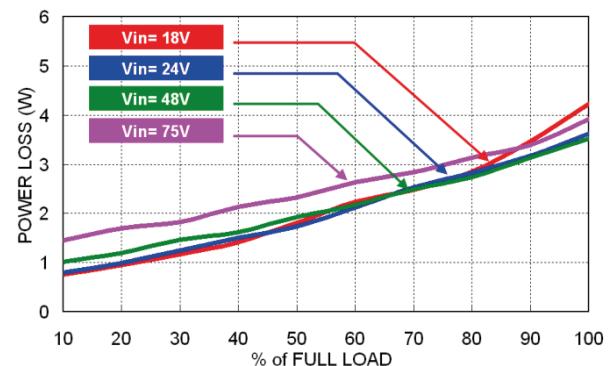
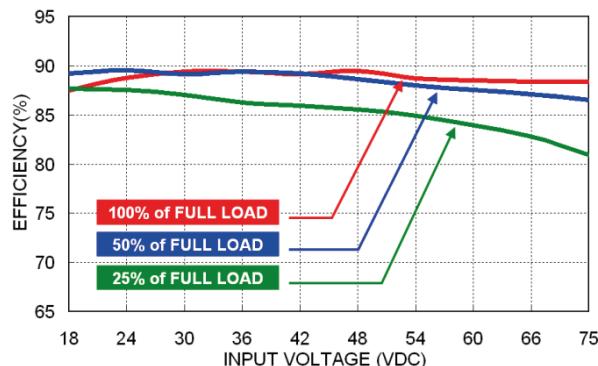
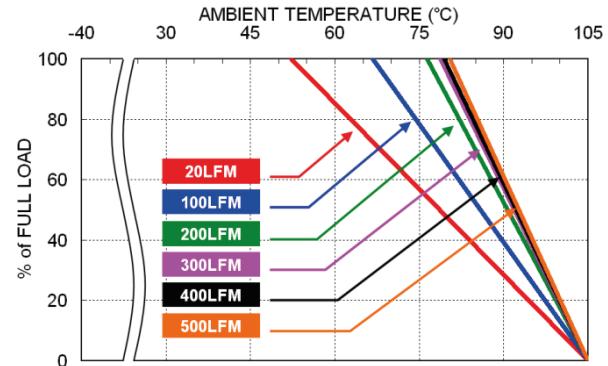
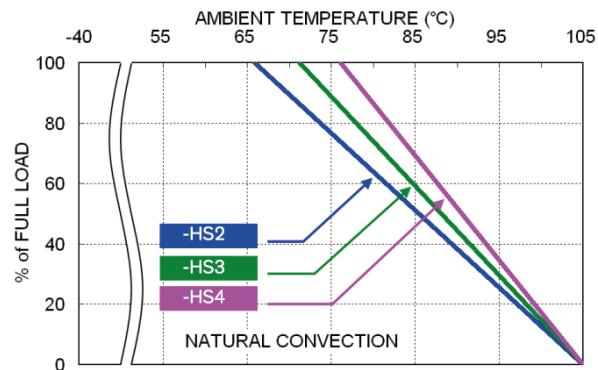


Typical Start-Up and Output Rise Characteristic at Full Load



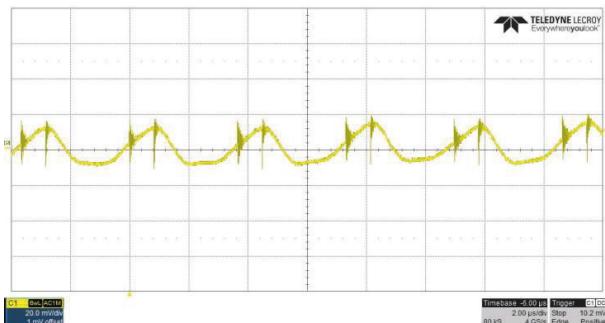
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



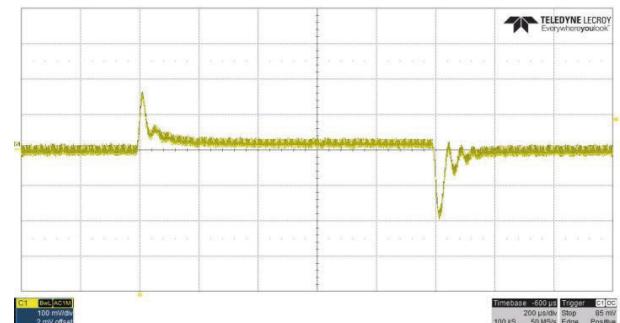
THN 30-4811WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4811WIR

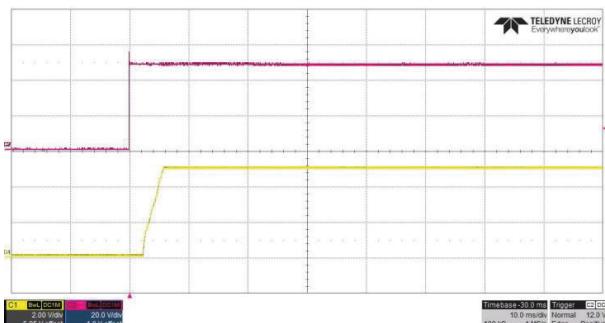
Typical Output Ripple and Noise



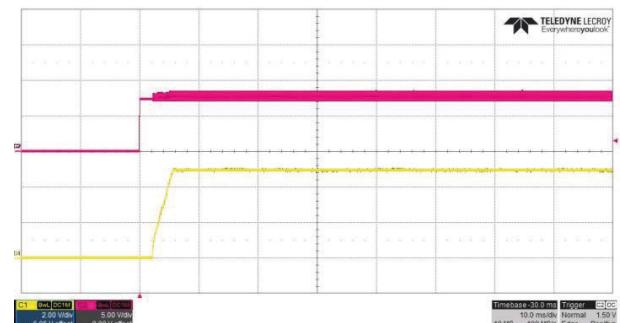
Transient Response to Dynamic Load Change (25%)

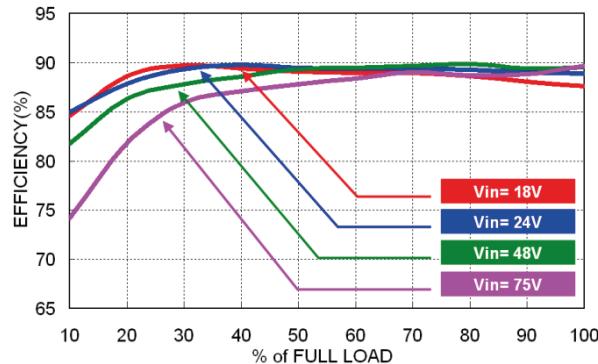
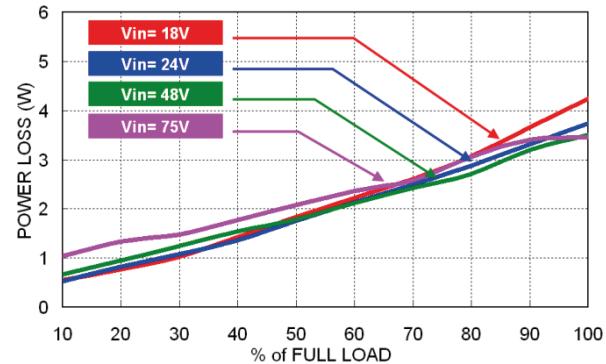
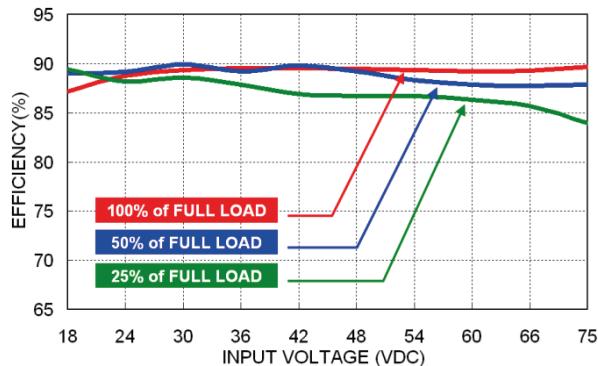
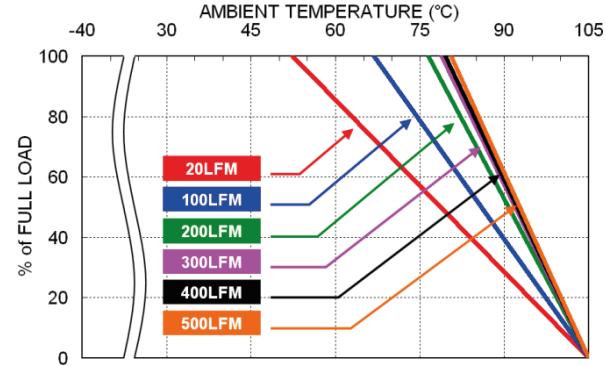
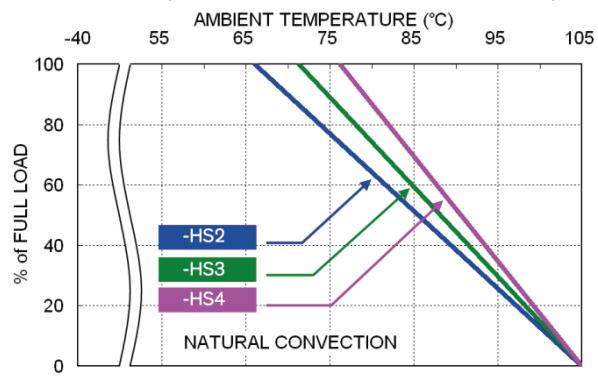


Typical Start-Up and Output Rise Characteristic at Full Load



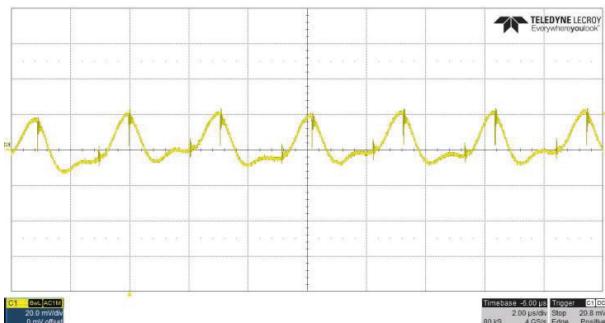
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



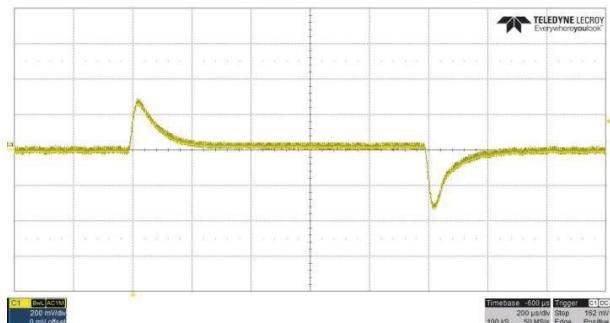
THN 30-4812WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4812WIR

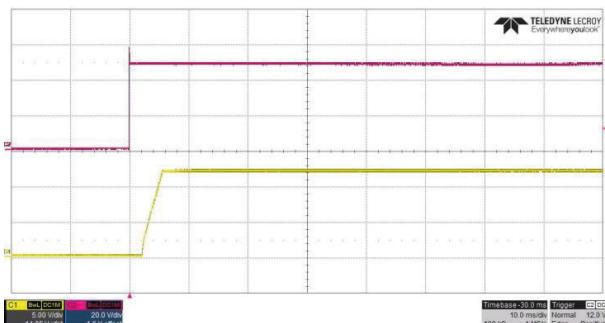
Typical Output Ripple and Noise



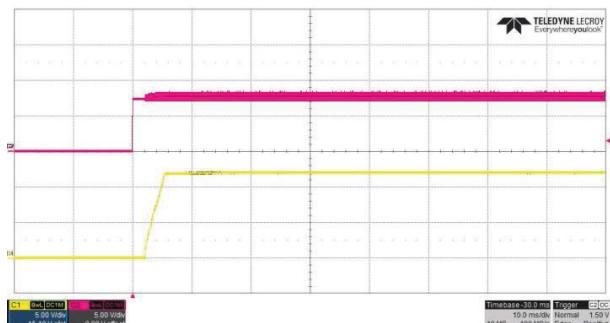
Transient Response to Dynamic Load Change (25%)

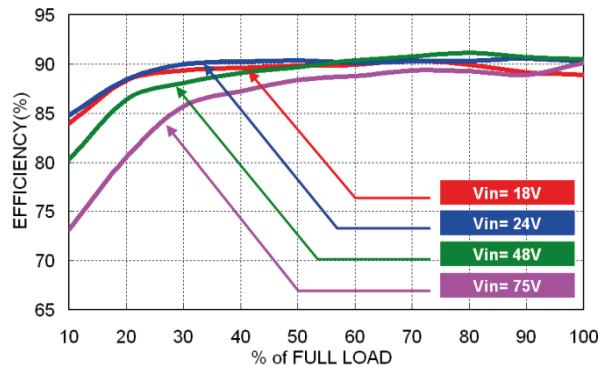
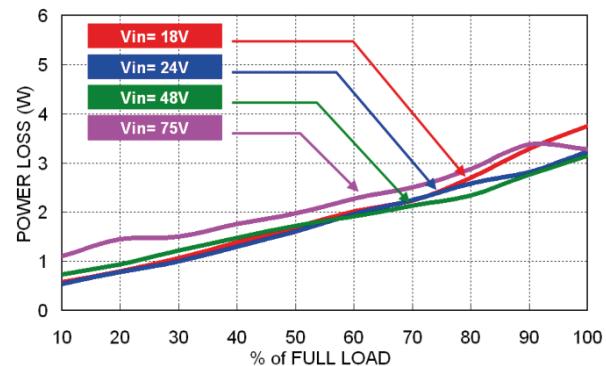
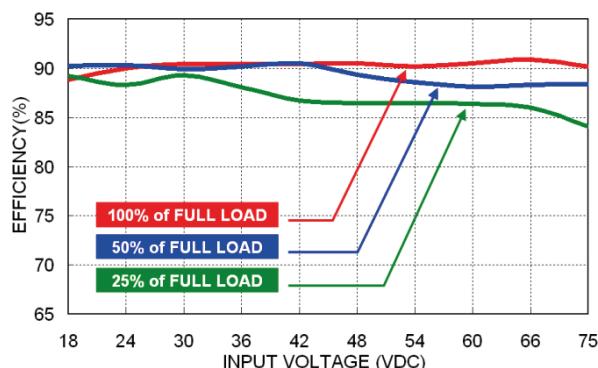
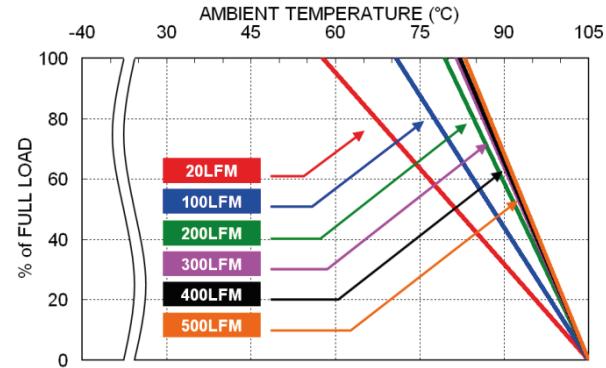
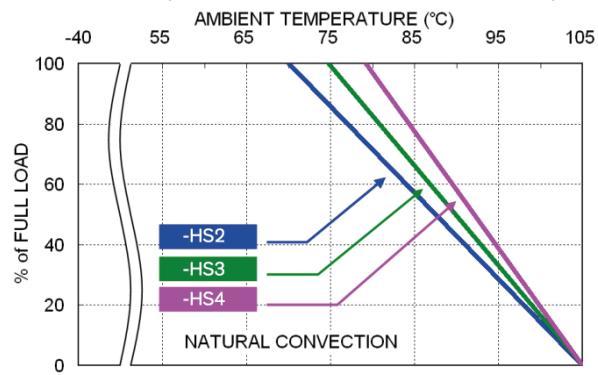


Typical Start-Up and Output Rise Characteristic at Full Load



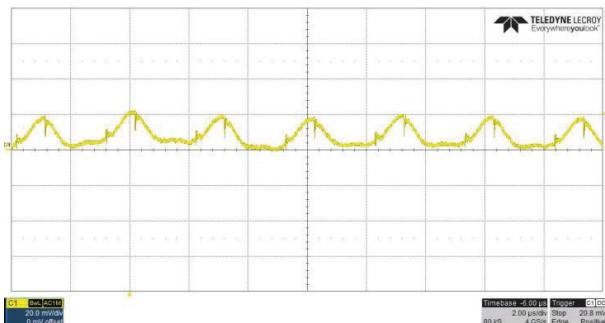
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



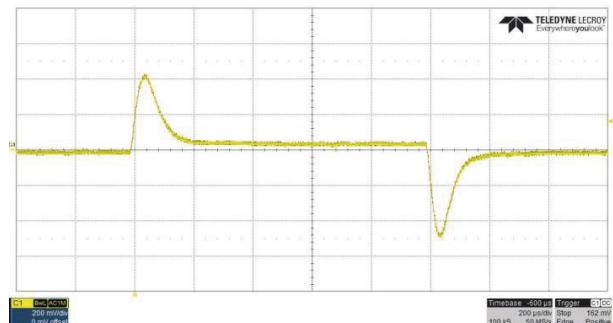
THN 30-4813WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4813WIR

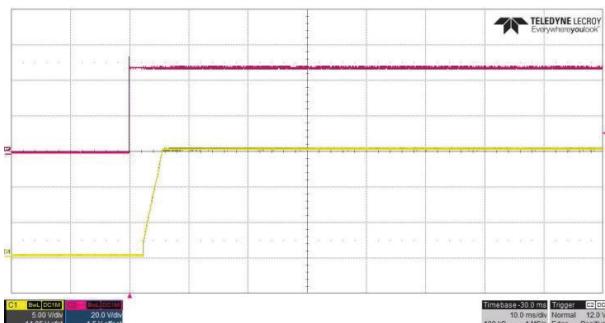
Typical Output Ripple and Noise



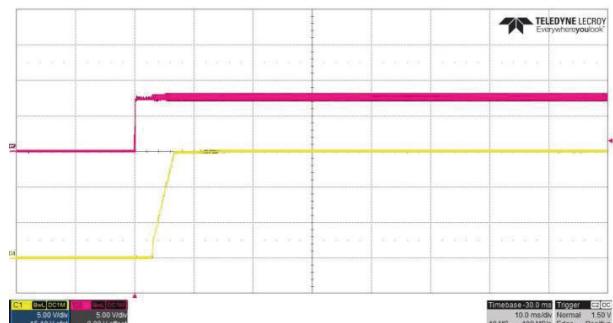
Transient Response to Dynamic Load Change (25%)

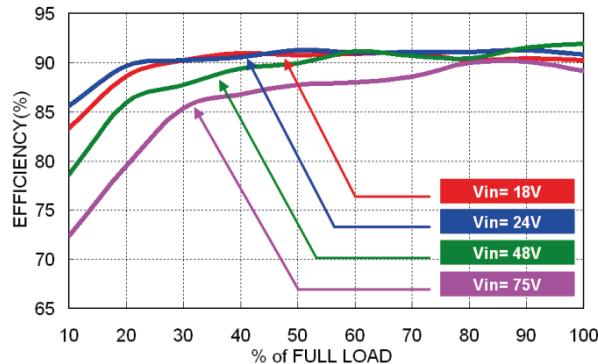
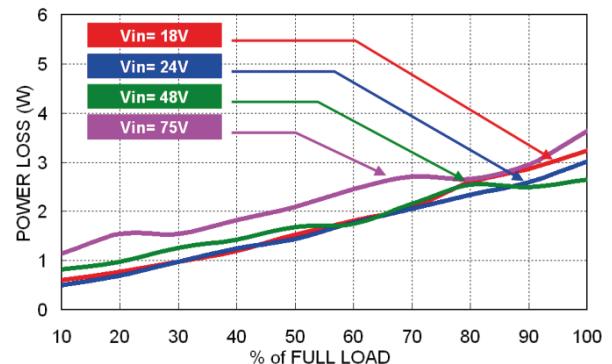
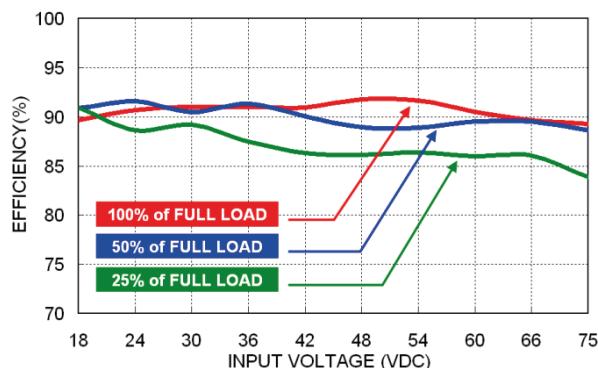
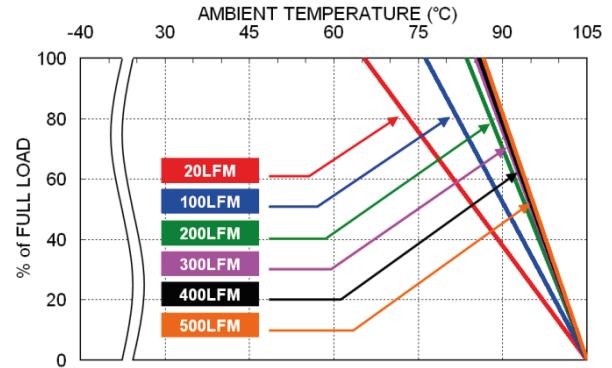
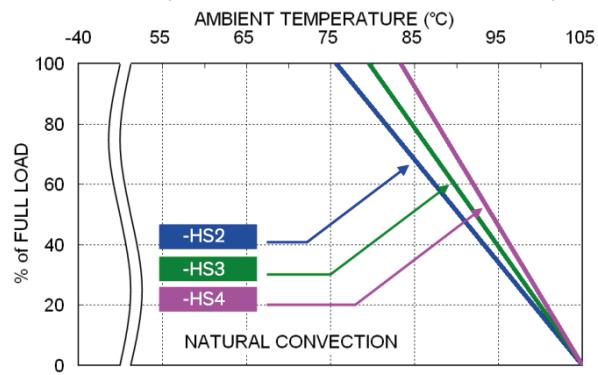


Typical Start-Up and Output Rise Characteristic at Full Load



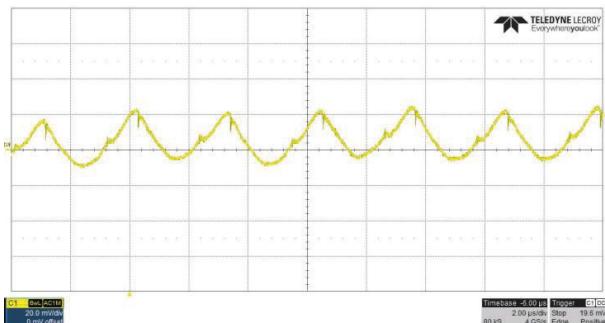
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



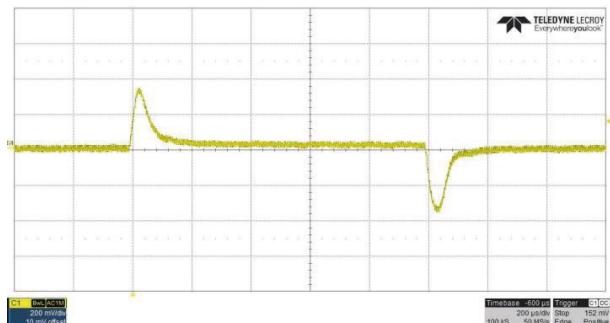
THN 30-4815WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4815WIR

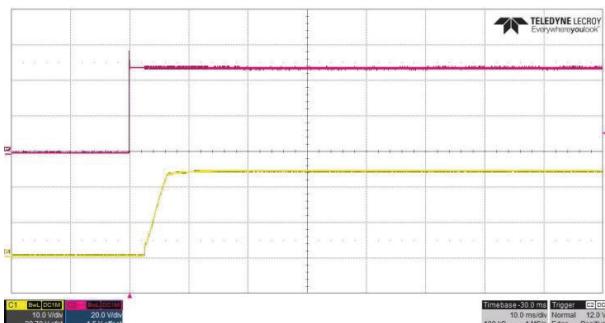
Typical Output Ripple and Noise



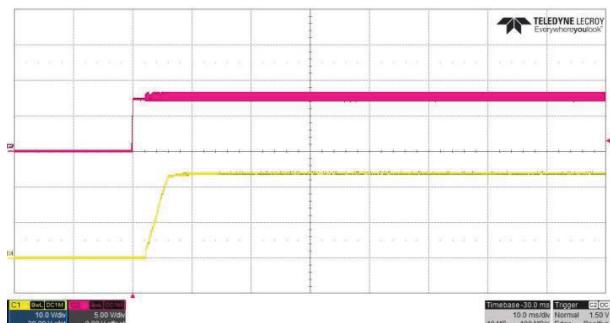
Transient Response to Dynamic Load Change (25%)

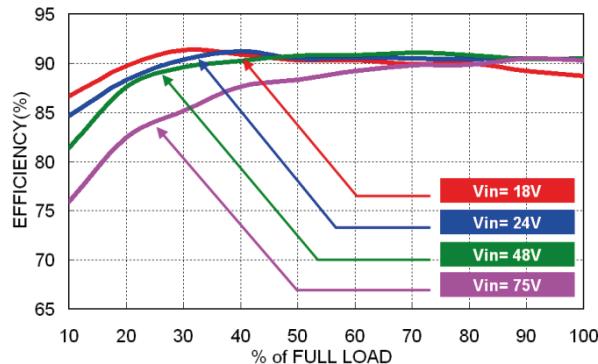
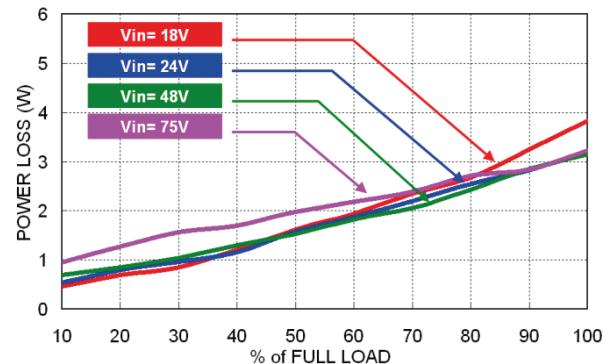
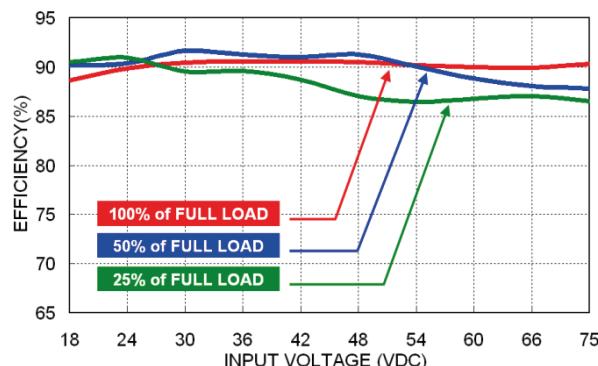
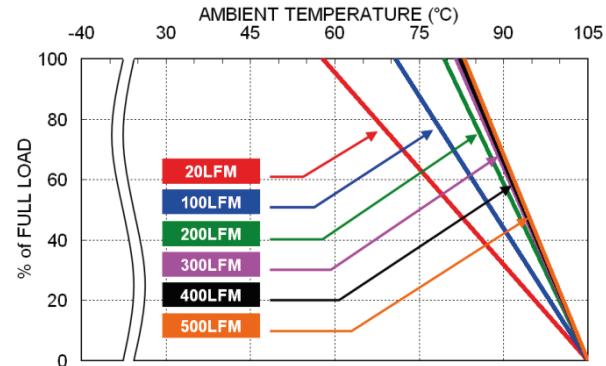
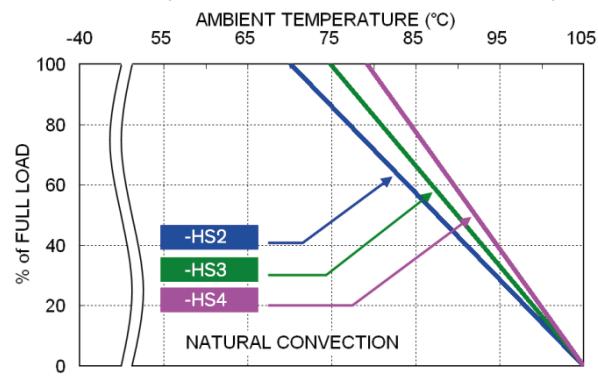


Typical Start-Up and Output Rise Characteristic at Full Load



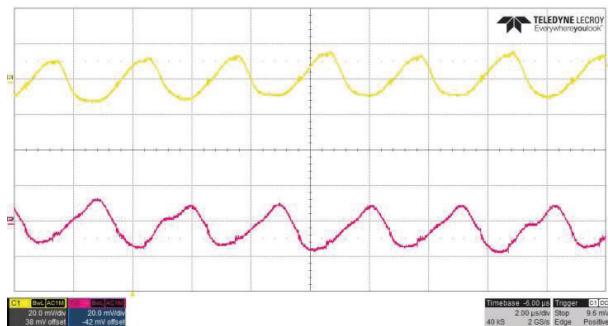
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



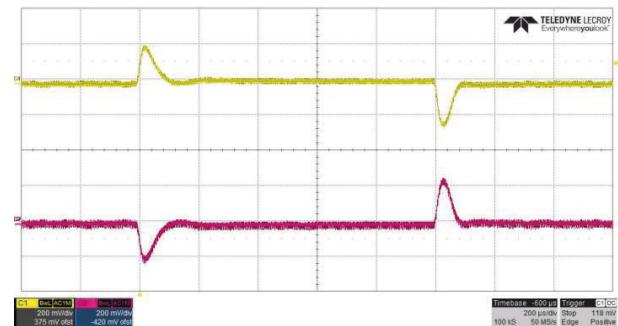
THN 30-4822WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4822WIR

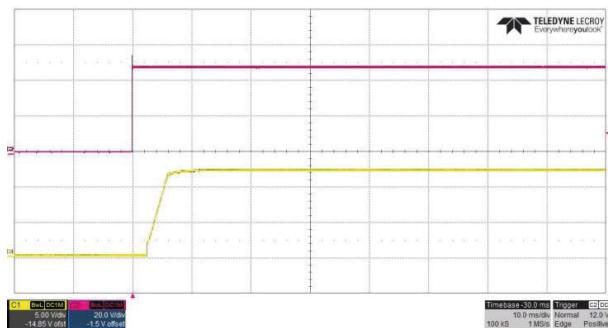
Typical Output Ripple and Noise



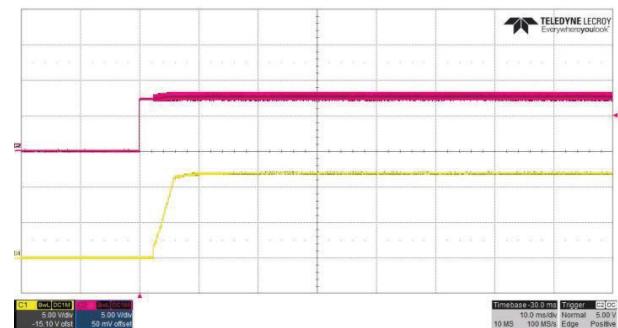
Transient Response to Dynamic Load Change (25%)

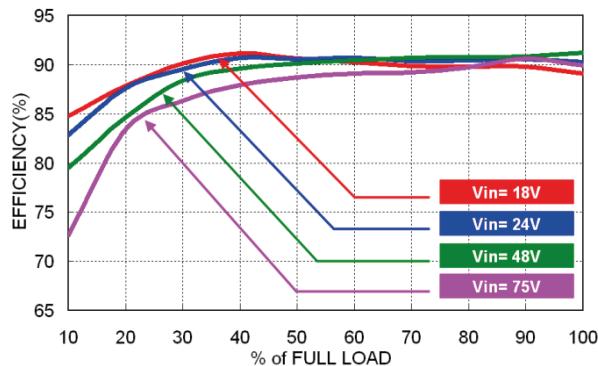
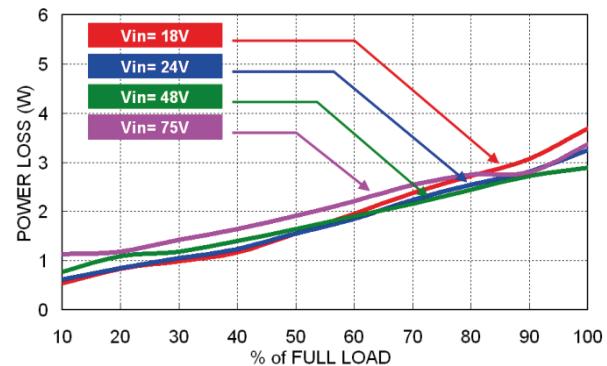
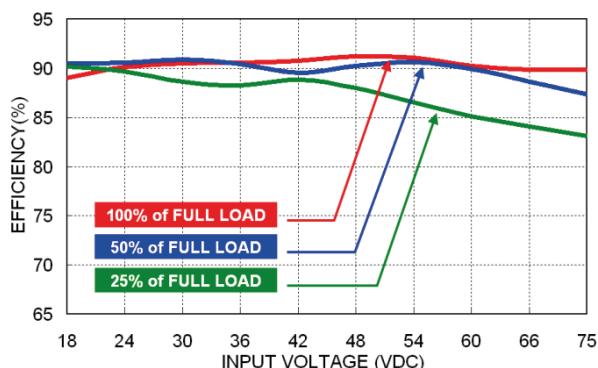
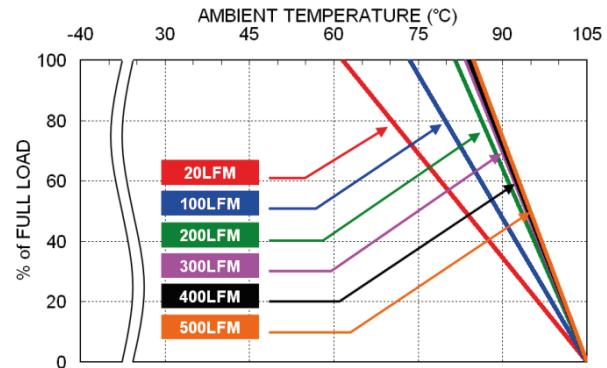
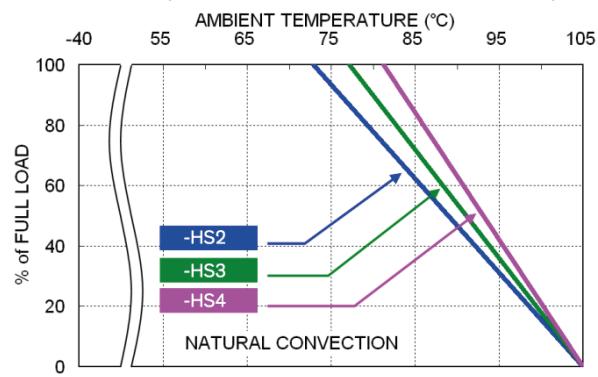


Typical Start-Up and Output Rise Characteristic at Full Load



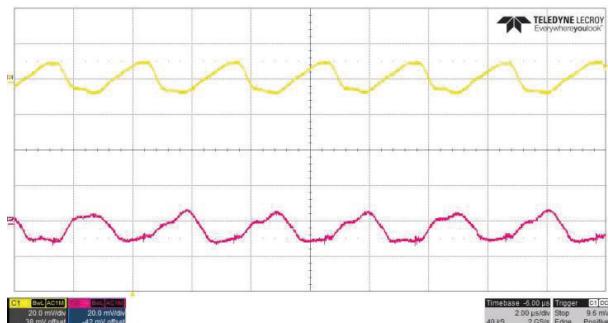
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



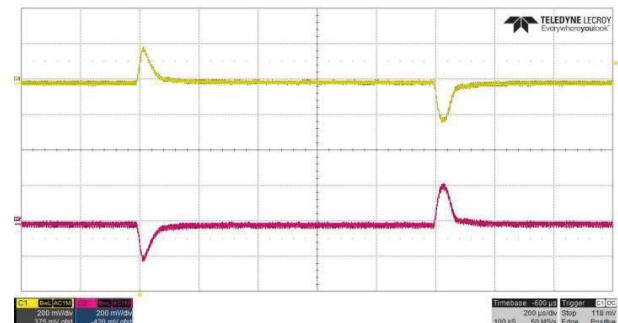
THN 30-4823WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4823WIR

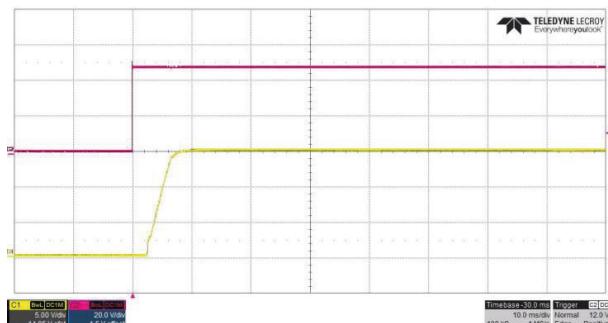
Typical Output Ripple and Noise



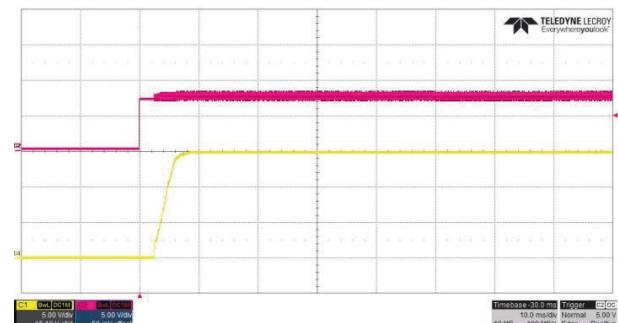
Transient Response to Dynamic Load Change (25%)

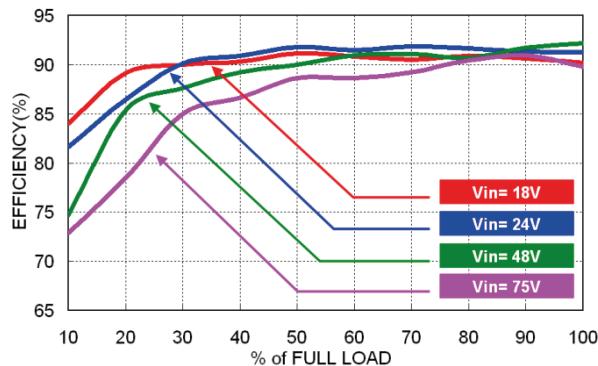
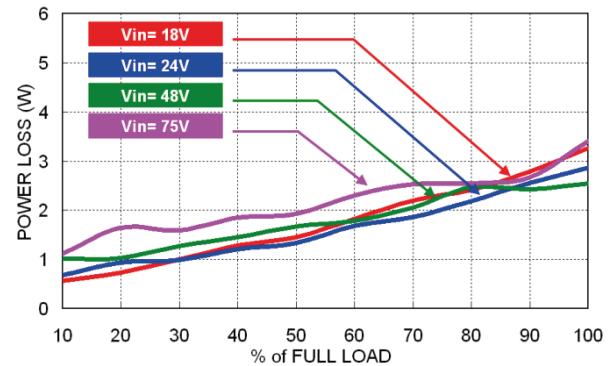
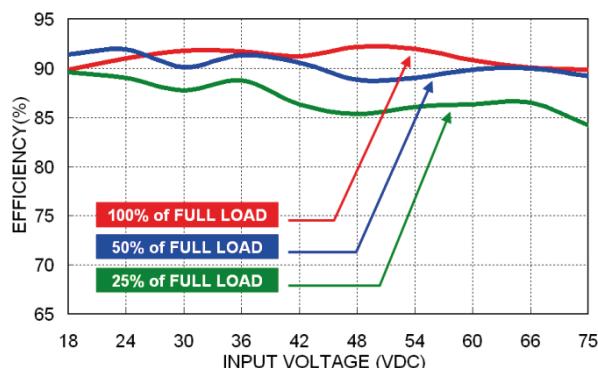
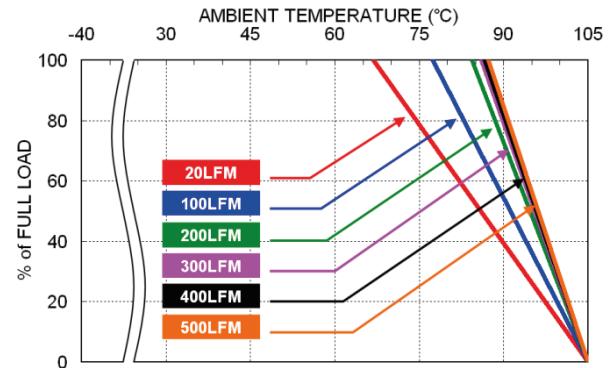
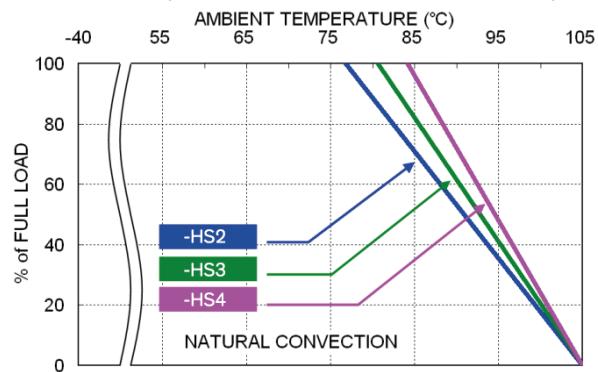


Typical Start-Up and Output Rise Characteristic at Full Load



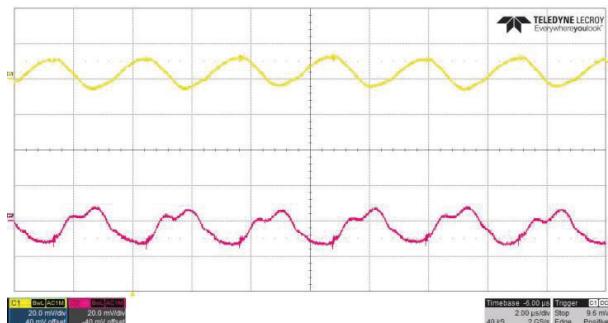
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



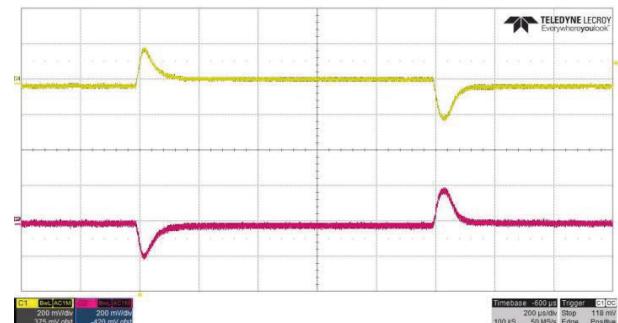
THN 30-4825WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-4825WIR

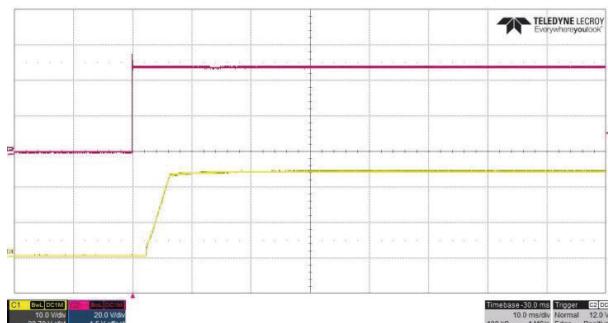
Typical Output Ripple and Noise



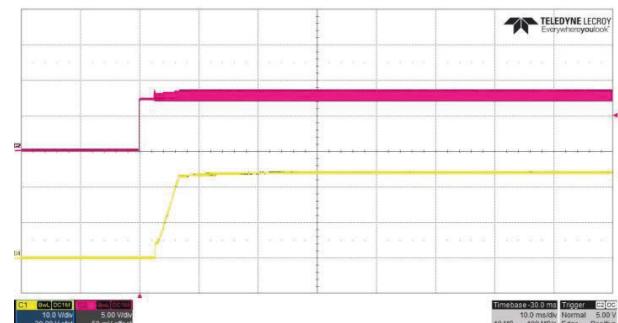
Transient Response to Dynamic Load Change (25%)

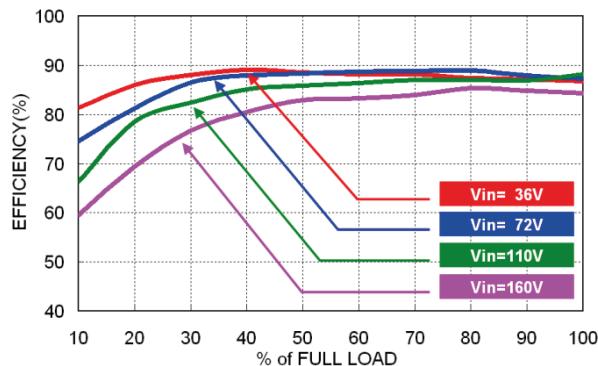
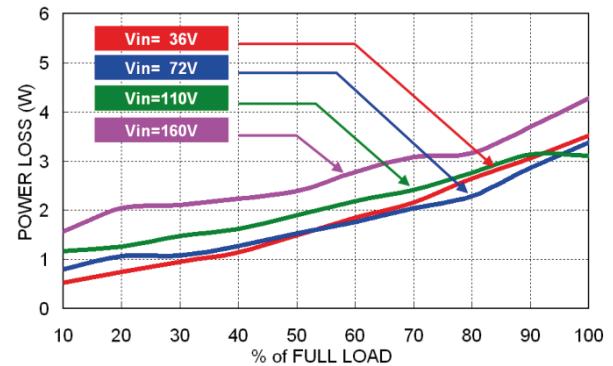
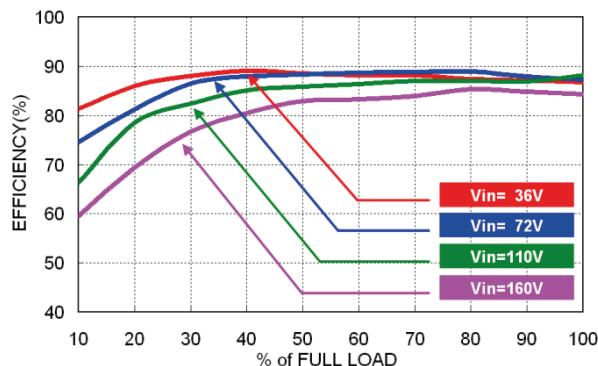
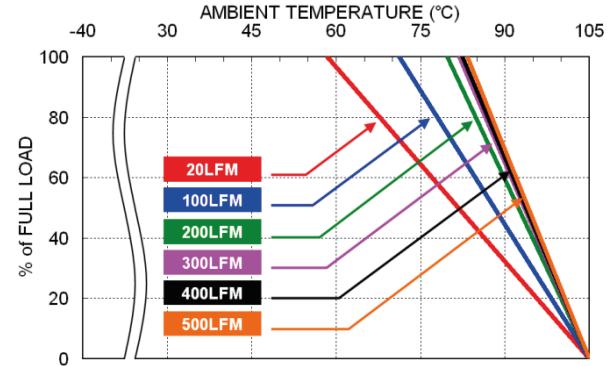
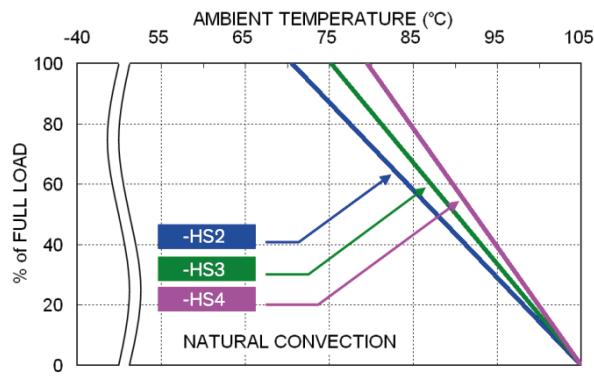


Typical Start-Up and Output Rise Characteristic at Full Load



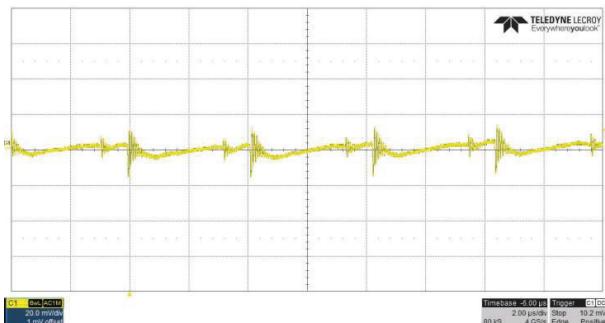
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



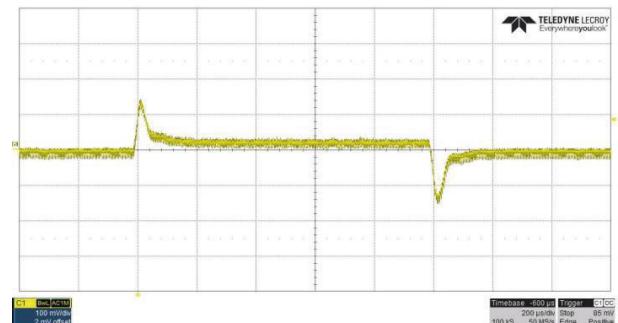
THN 30-7210WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7210WIR

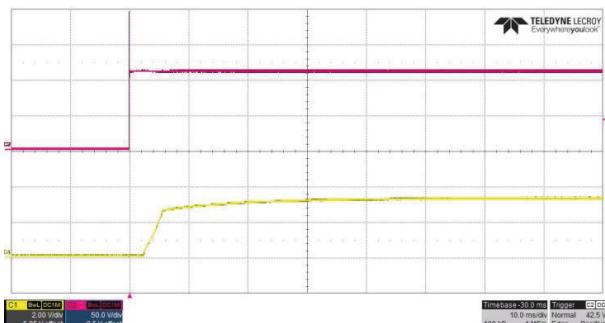
Typical Output Ripple and Noise



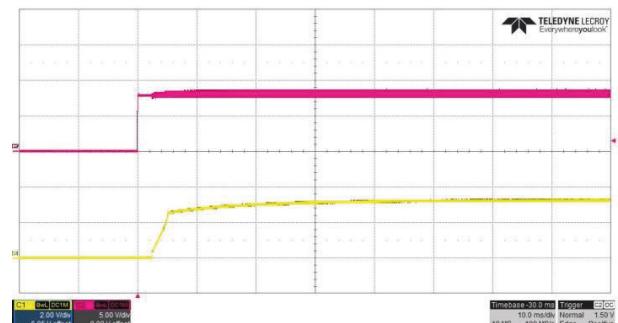
Transient Response to Dynamic Load Change (25%)

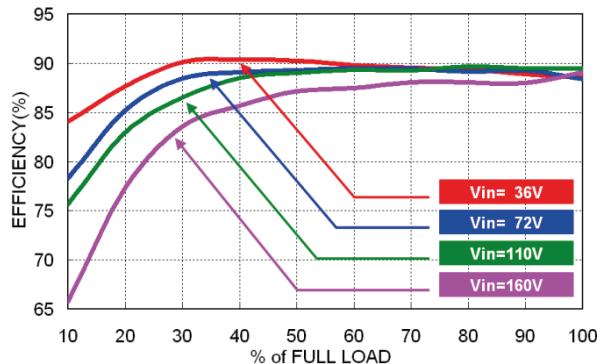
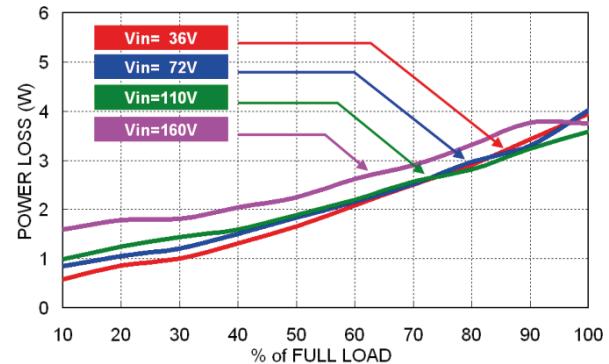
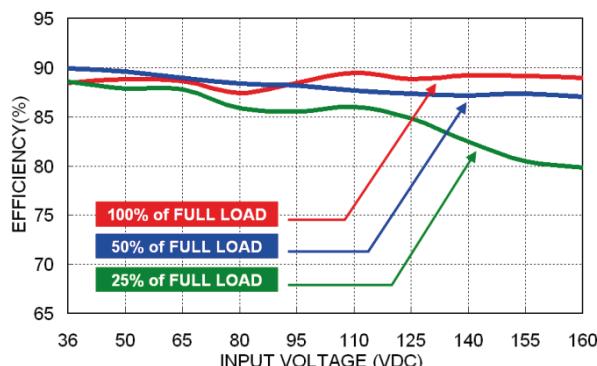
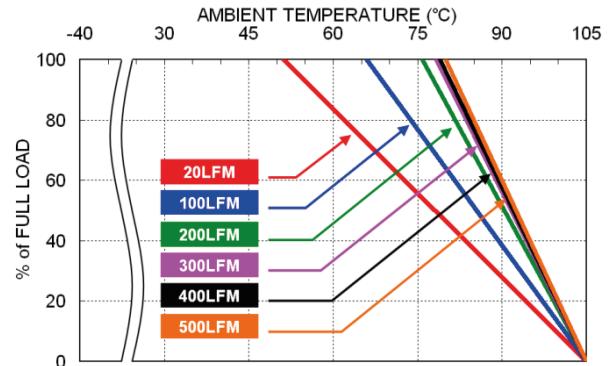
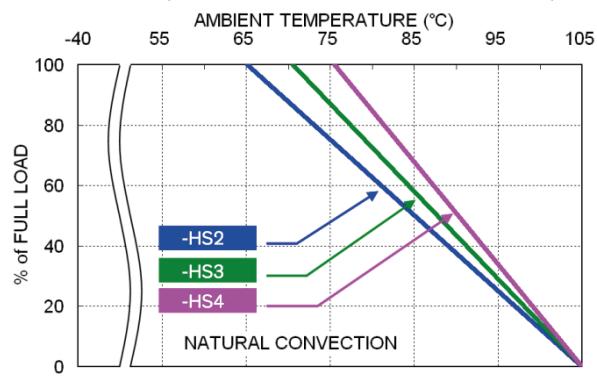


Typical Start-Up and Output Rise Characteristic at Full Load



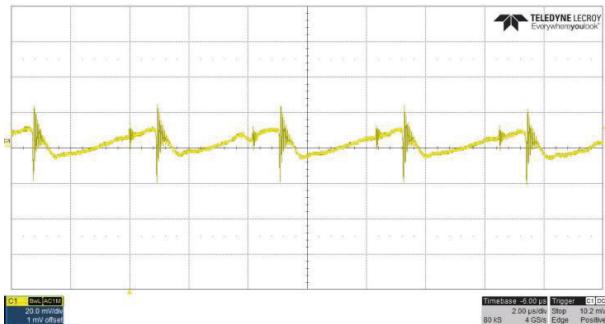
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



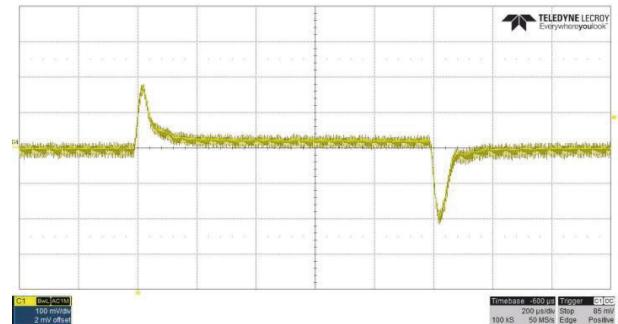
THN 30-7211WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7211WIR

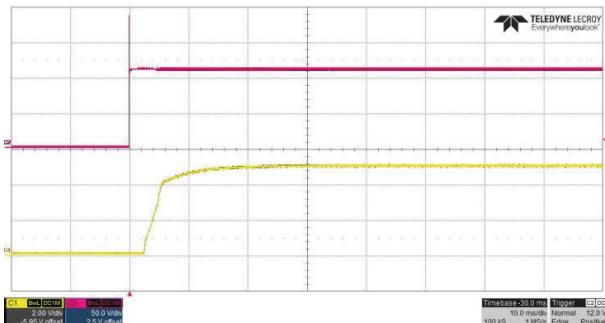
Typical Output Ripple and Noise



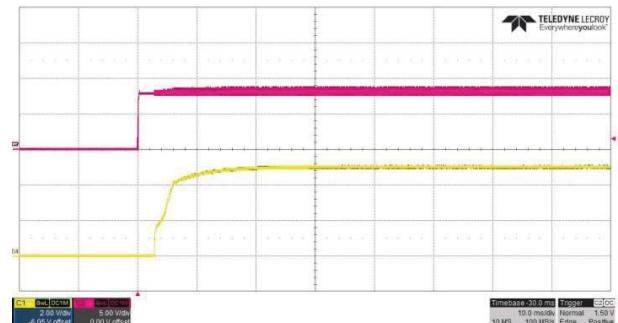
Transient Response to Dynamic Load Change (25%)

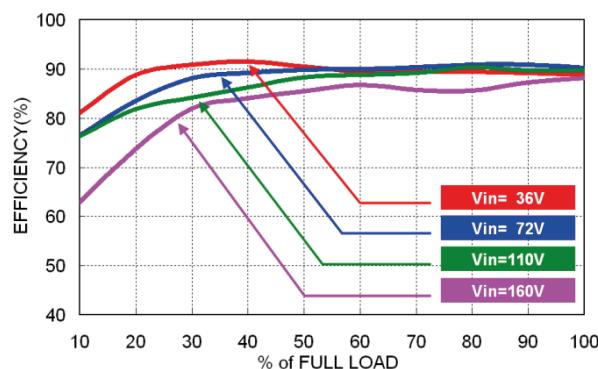
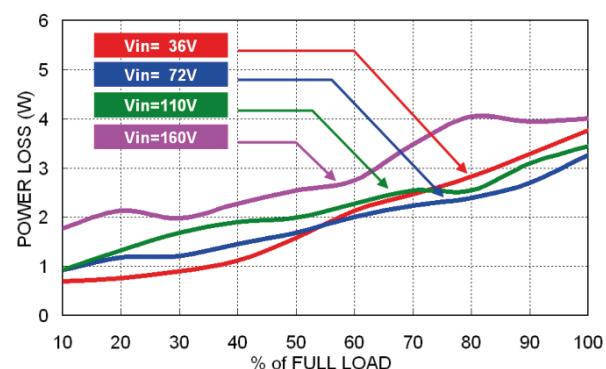
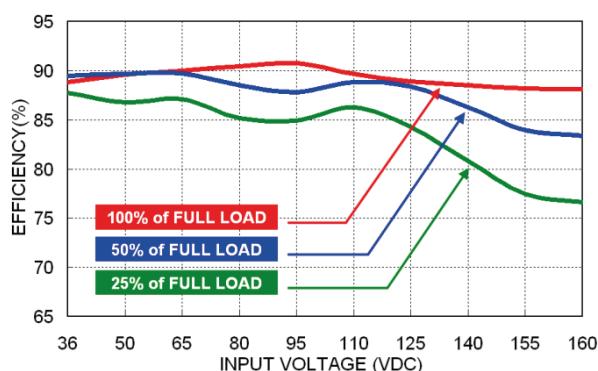
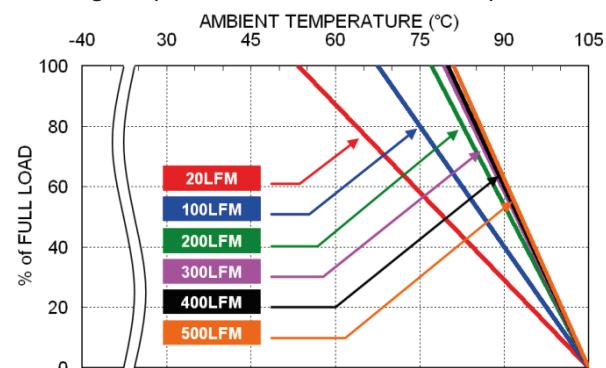
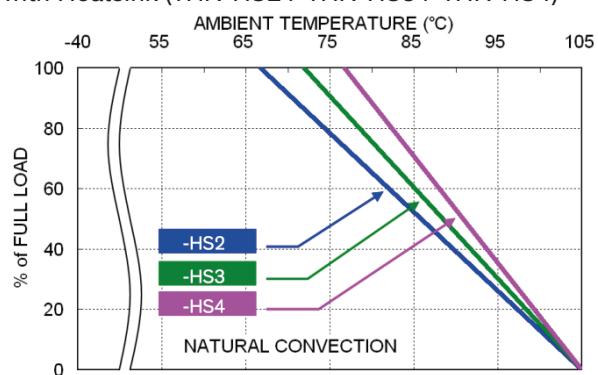


Typical Start-Up and Output Rise Characteristic at Full Load



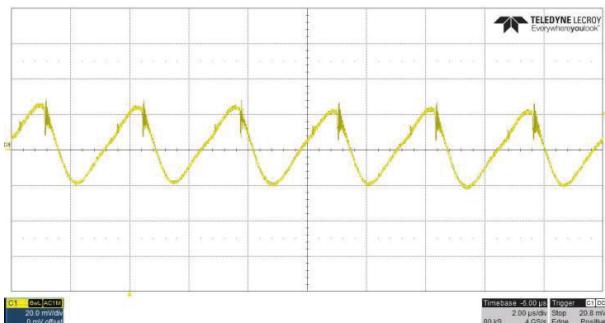
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



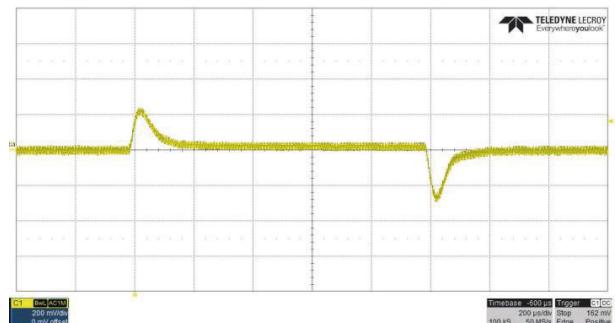
THN 30-7212WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7212WIR

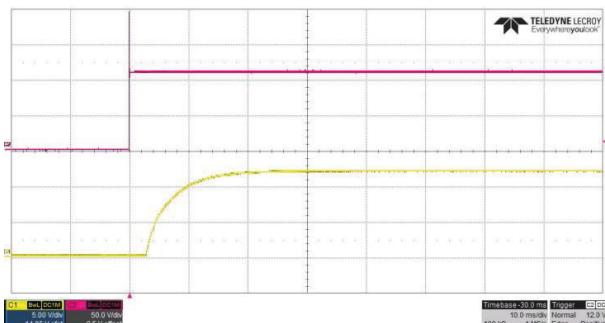
Typical Output Ripple and Noise



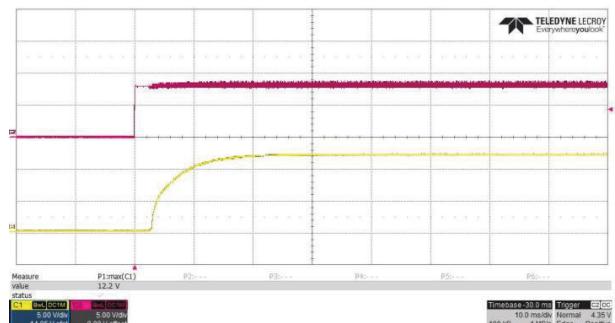
Transient Response to Dynamic Load Change (25%)

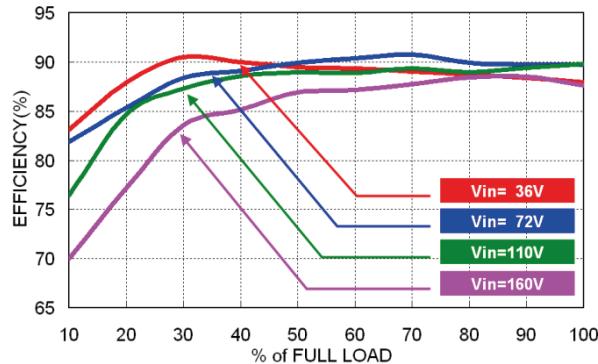
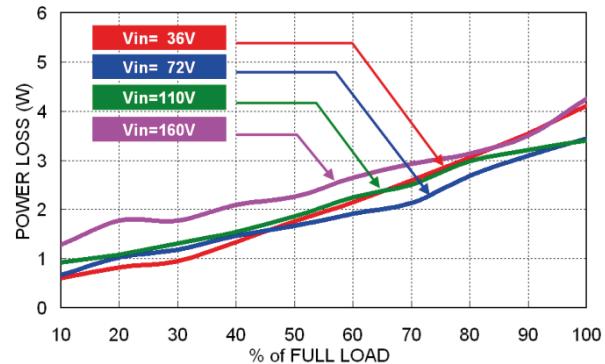
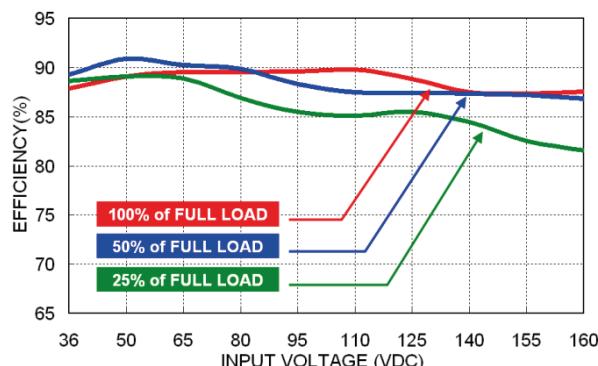
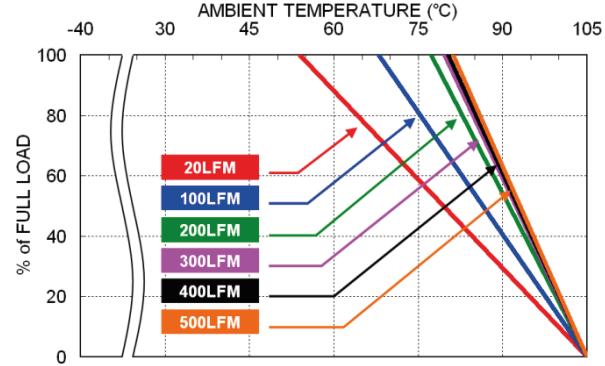
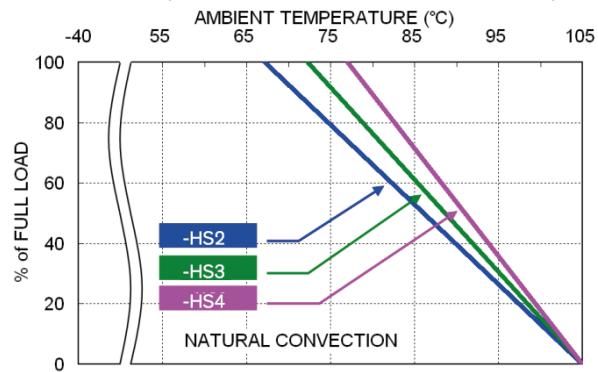


Typical Start-Up and Output Rise Characteristic at Full Load



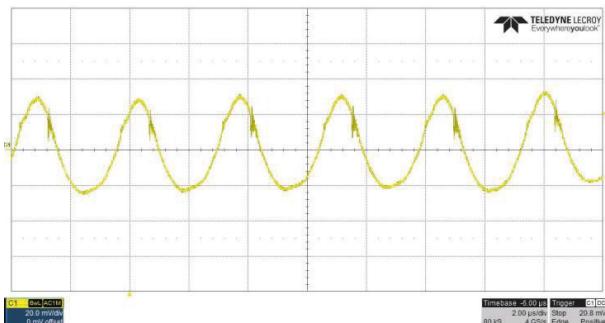
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



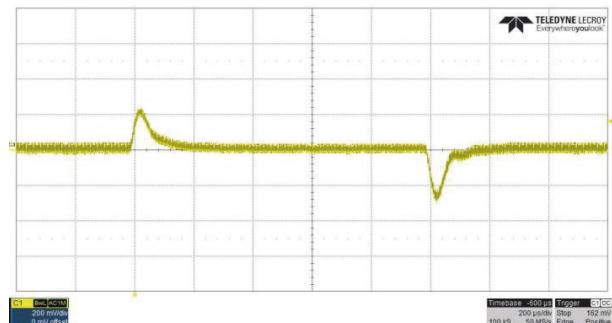
THN 30-7213WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7213WIR

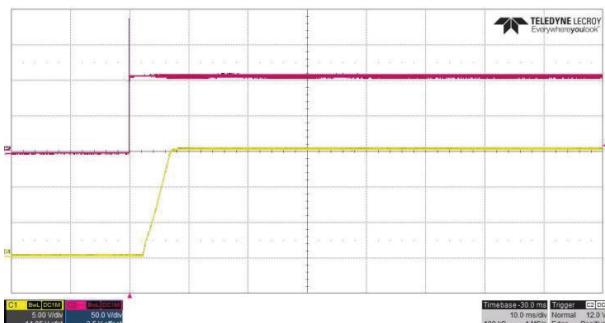
Typical Output Ripple and Noise



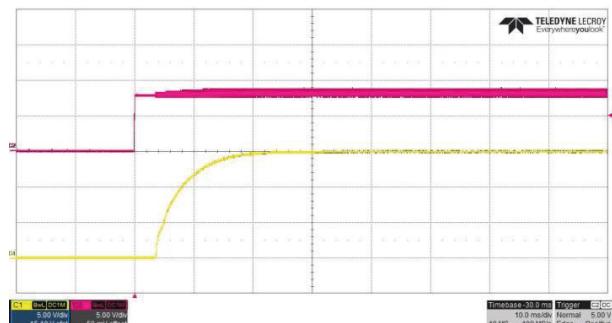
Transient Response to Dynamic Load Change (25%)

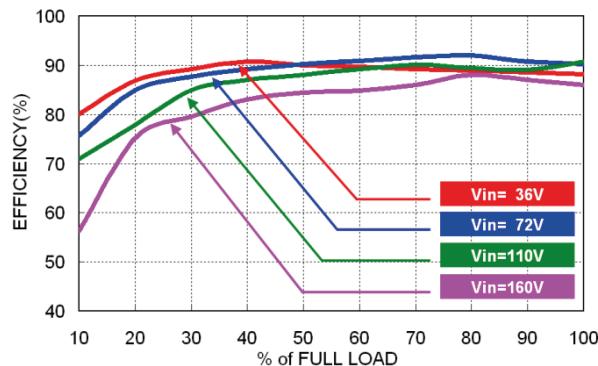
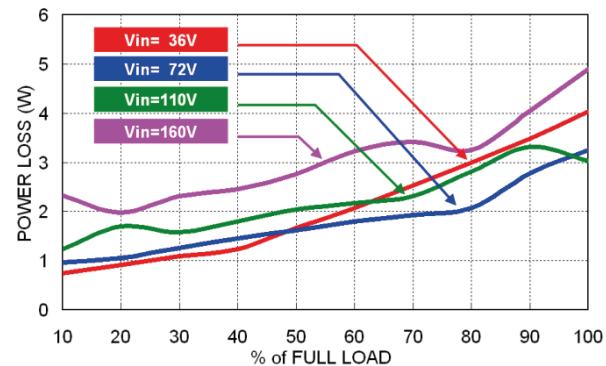
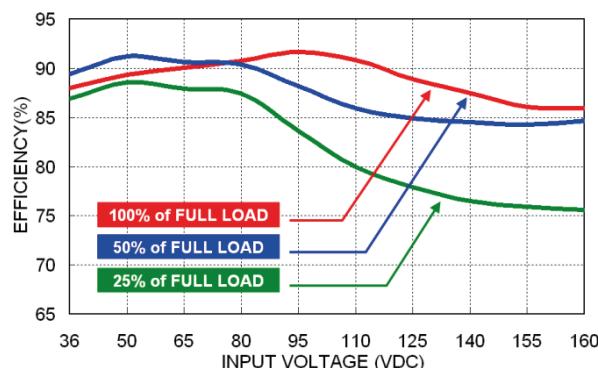
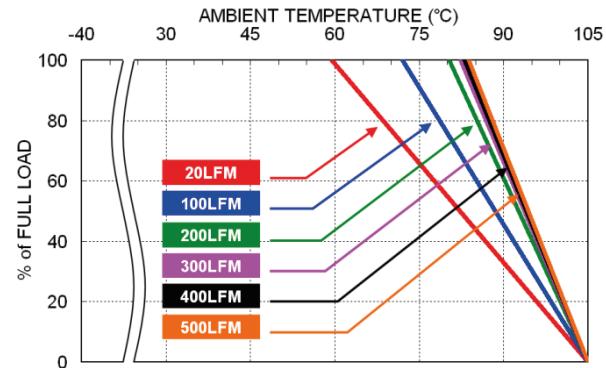
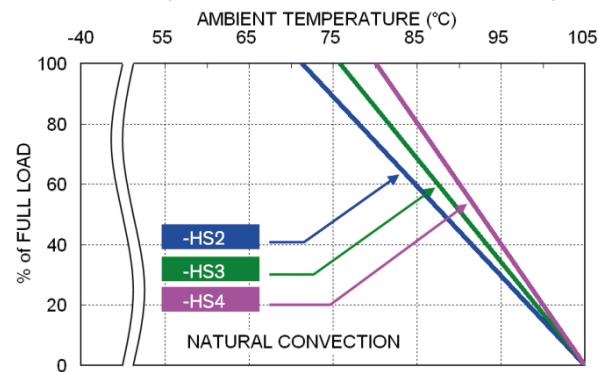


Typical Start-Up and Output Rise Characteristic at Full Load



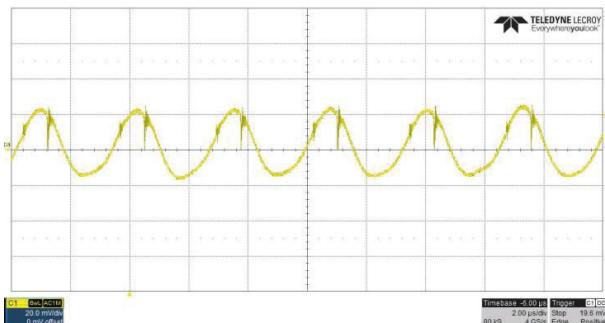
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



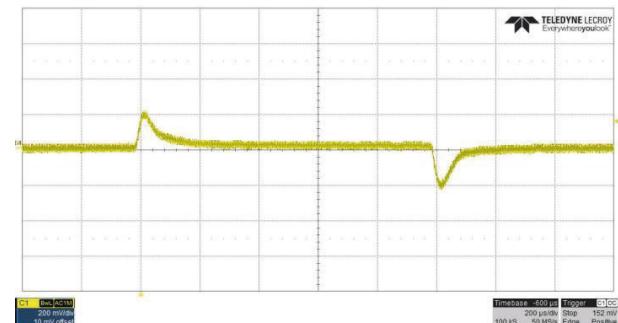
THN 30-7215WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7215WIR

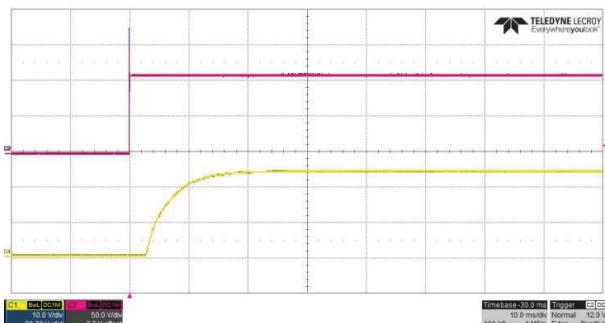
Typical Output Ripple and Noise



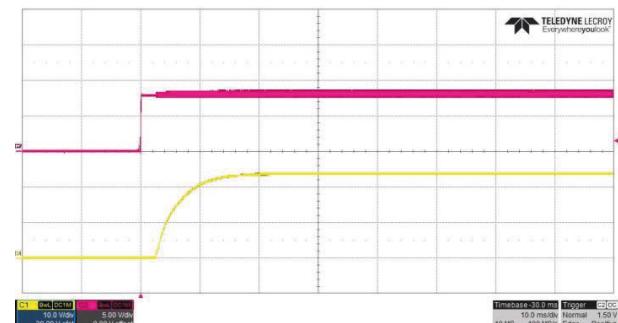
Transient Response to Dynamic Load Change (25%)

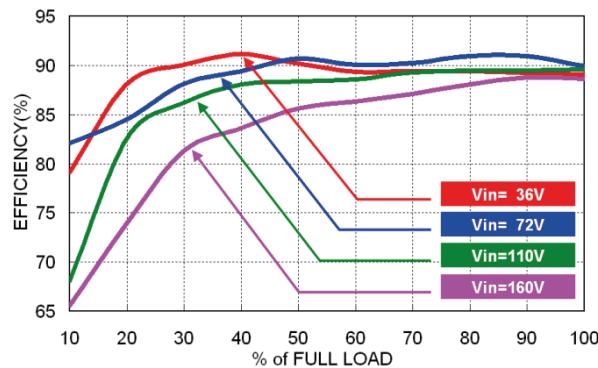
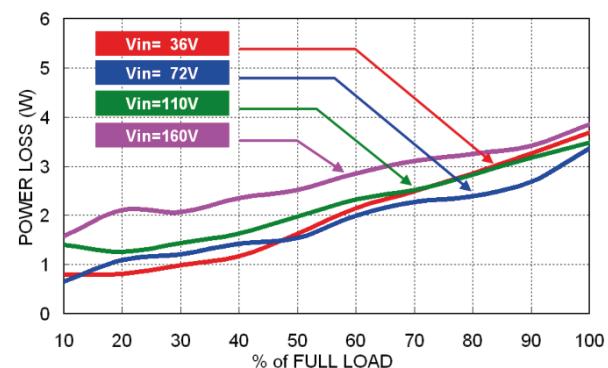
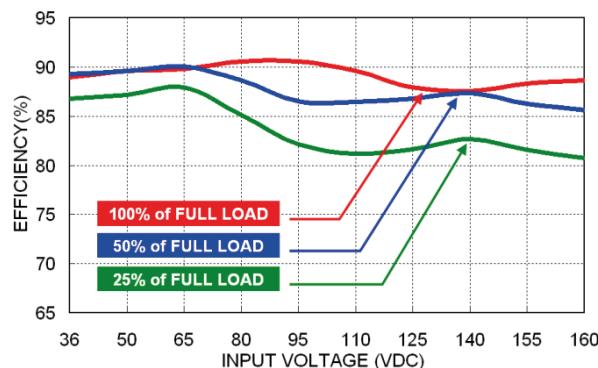
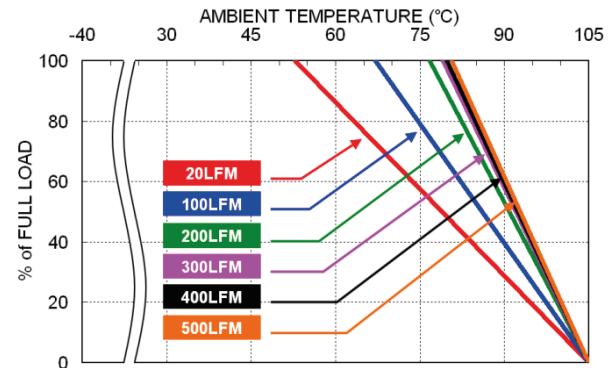
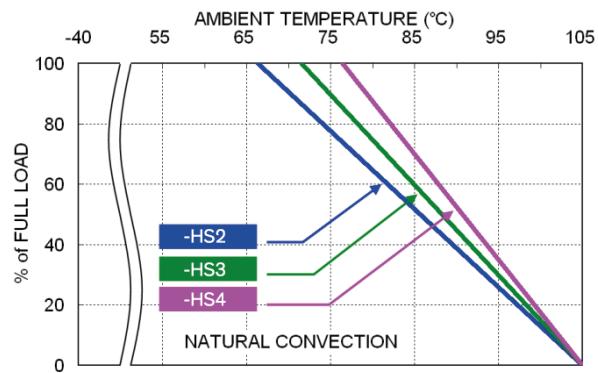


Typical Start-Up and Output Rise Characteristic at Full Load



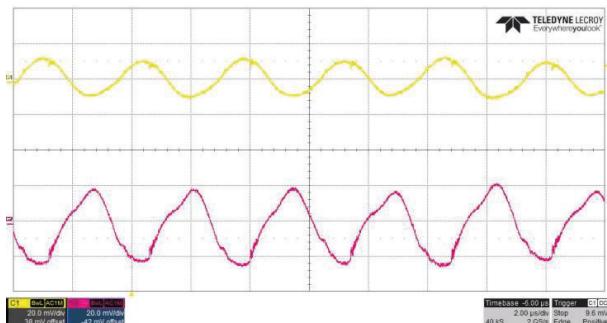
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



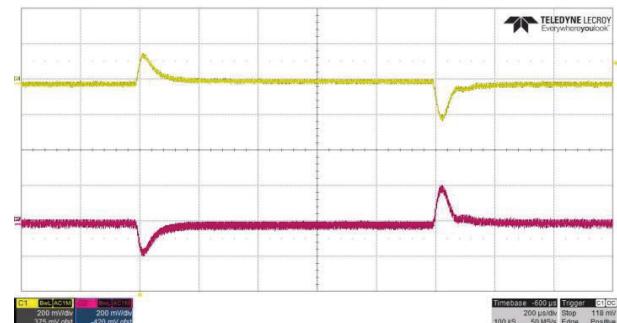
THN 30-7222WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7222WIR

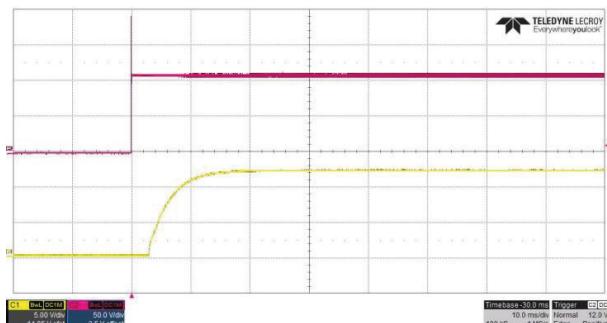
Typical Output Ripple and Noise



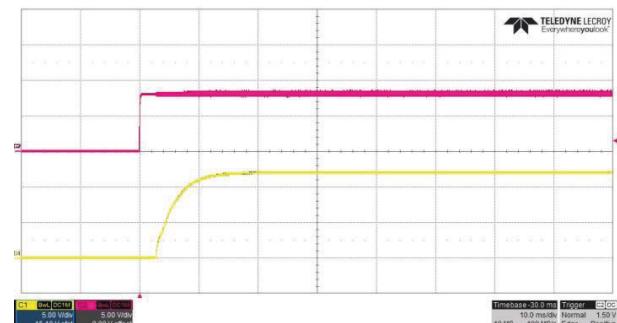
Transient Response to Dynamic Load Change (25%)

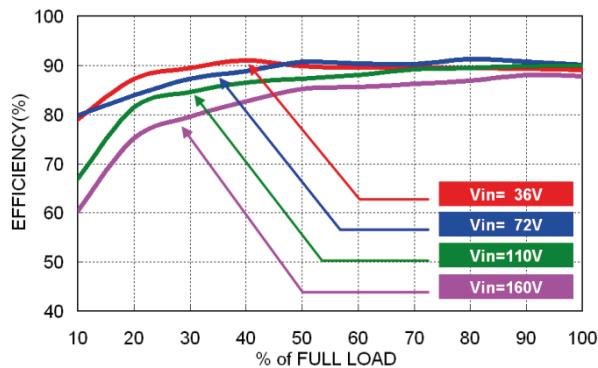
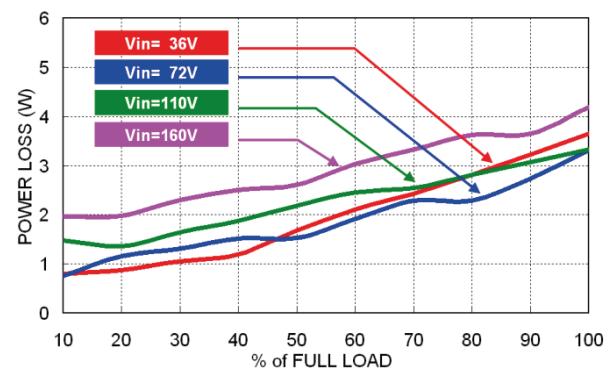
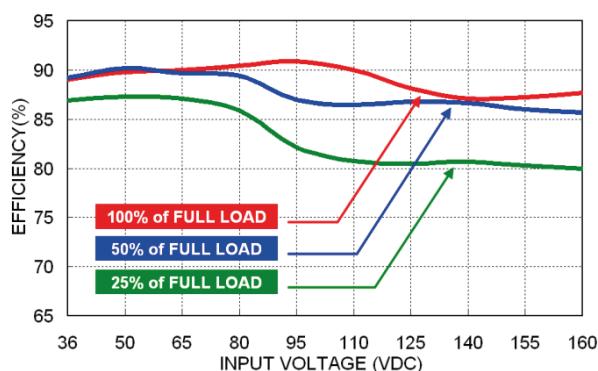
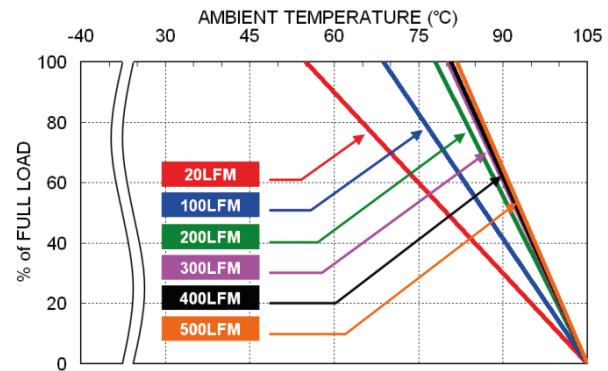
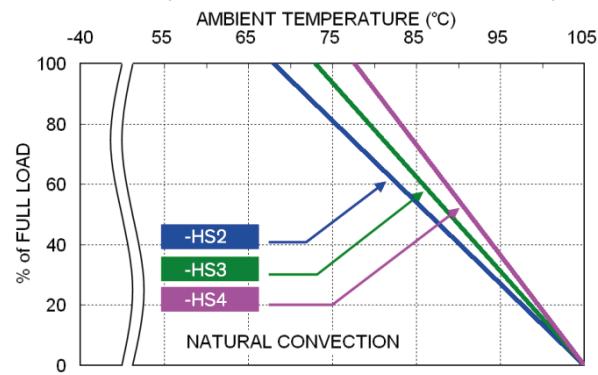


Typical Start-Up and Output Rise Characteristic at Full Load



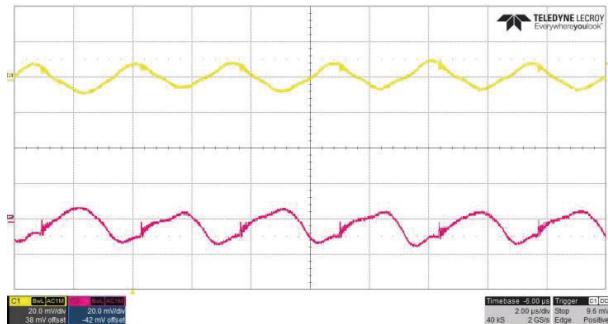
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



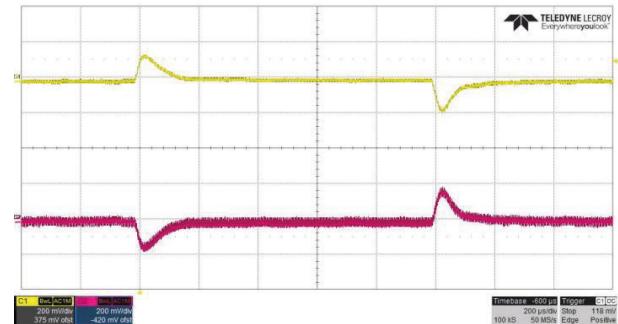
THN 30-7223WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7223WIR

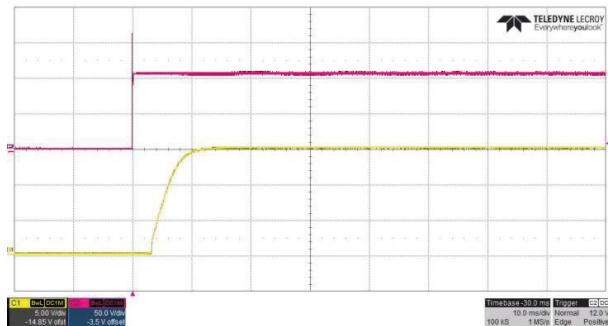
Typical Output Ripple and Noise



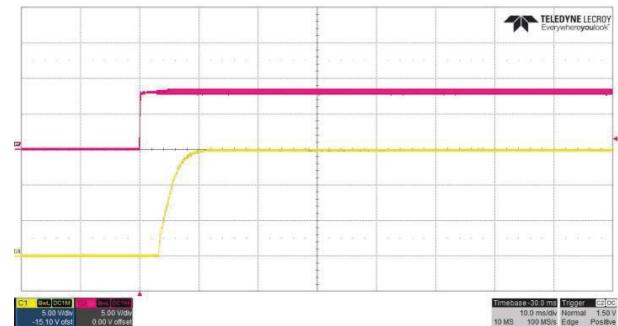
Transient Response to Dynamic Load Change (25%)

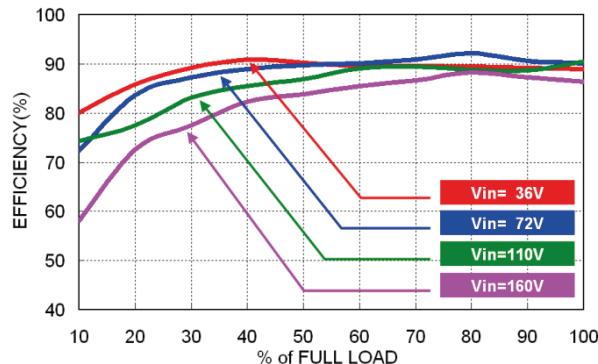
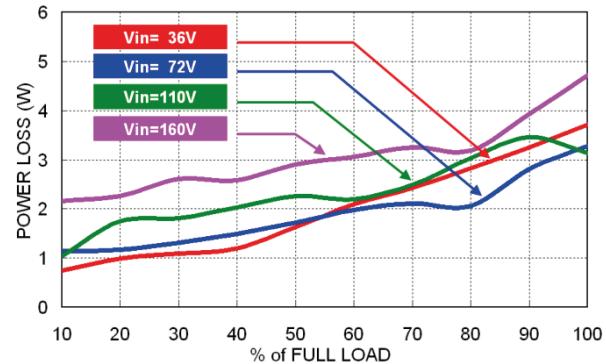
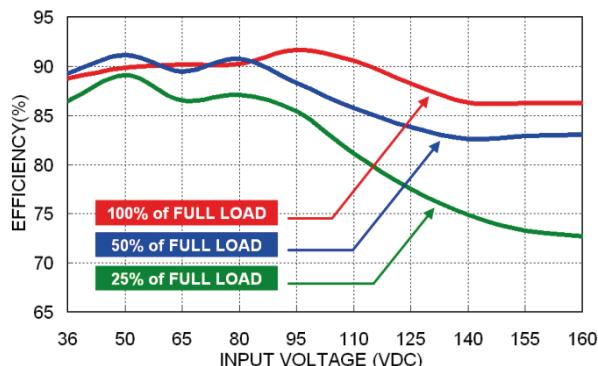
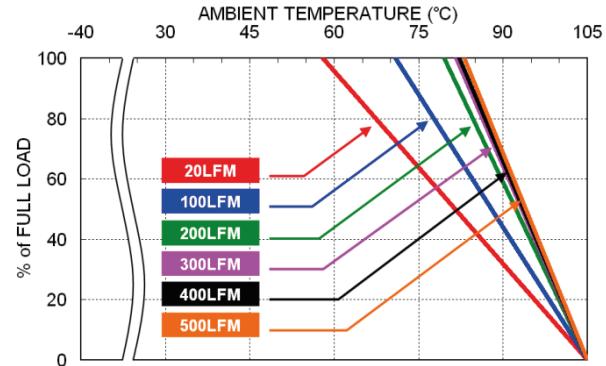
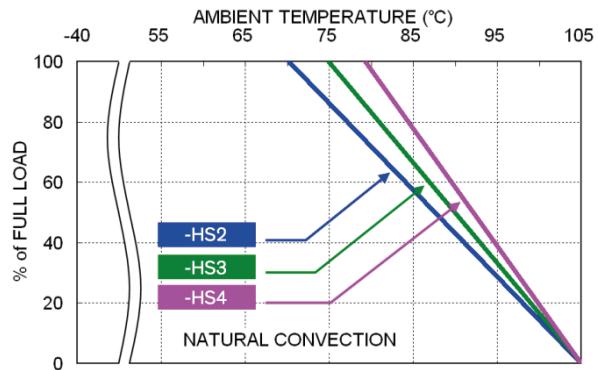


Typical Start-Up and Output Rise Characteristic at Full Load



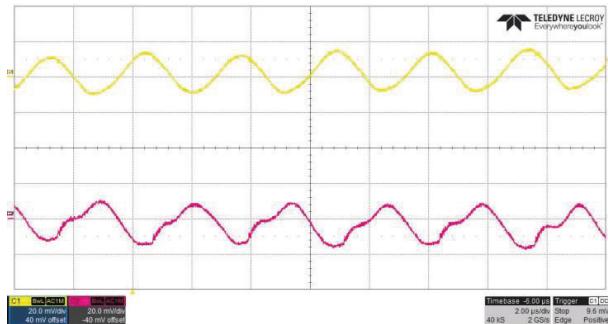
Typical Input/Output Start-Up Characteristic at Full Load with Remote On



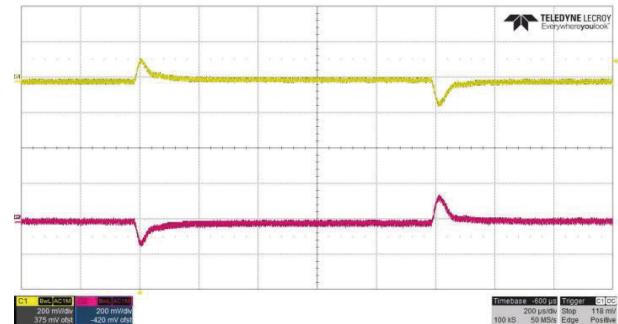
THN 30-7225WIR
Efficiency versus Output Load

Power Dissipation versus Output Load

Efficiency versus Input Voltage

Derating Output Load versus Ambient Temperature

Derating Output Load versus Ambient Temperature with Heatsink (THN-HS2 / THN-HS3 / THN-HS4)


THN 30-7225WIR

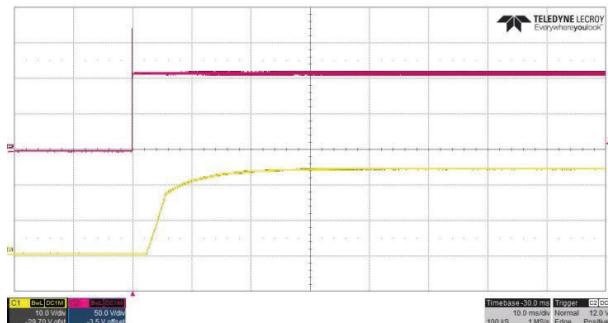
Typical Output Ripple and Noise



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

