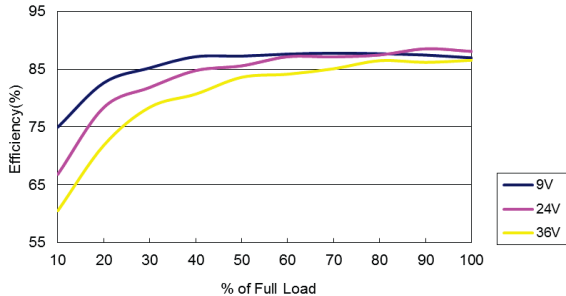


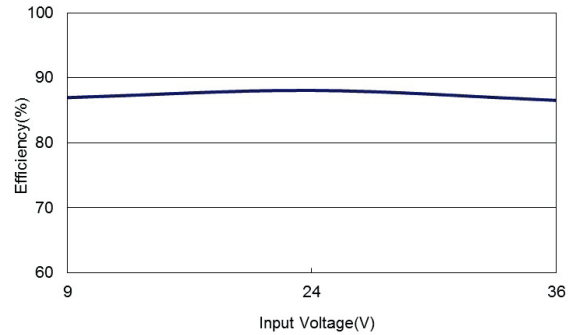
### Characteristic Curves

#### THR 20-2411WI

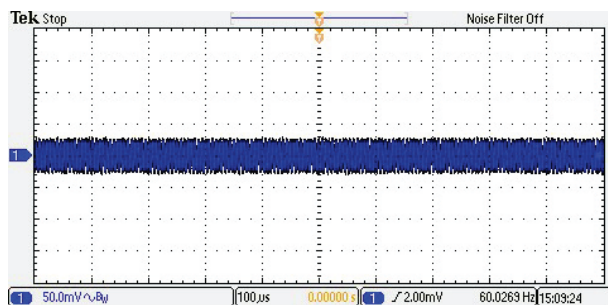
Efficiency versus Output Load



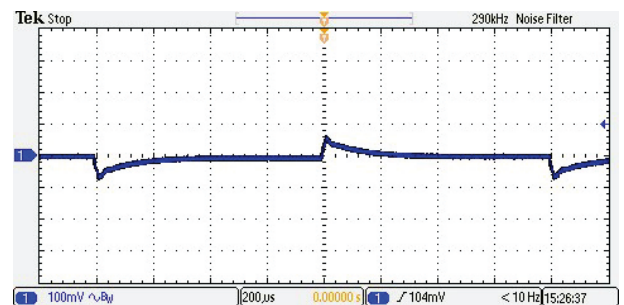
Efficiency versus Input Voltage



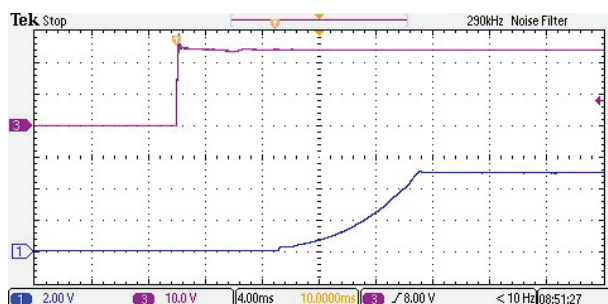
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



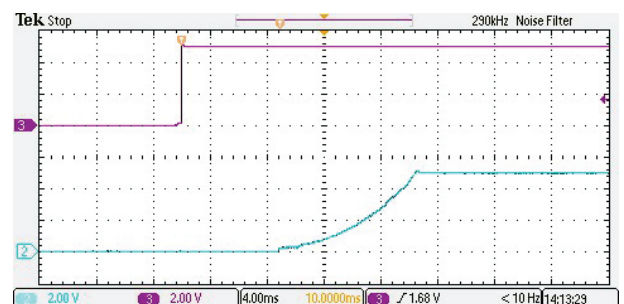
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

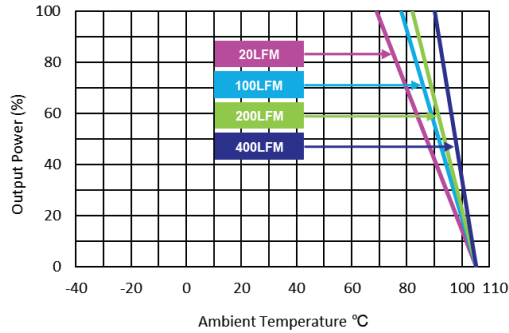


Remote On/Off Voltage Start-Up Characteristic

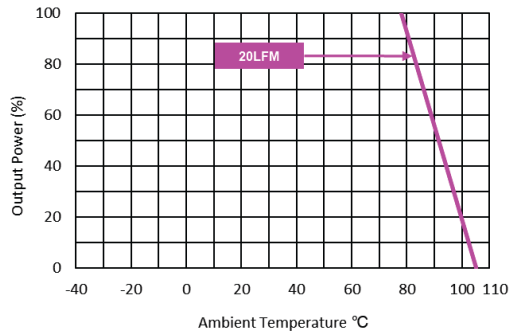


**THR 20-2411WI**

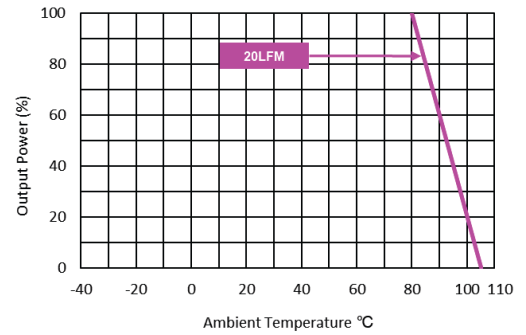
Derating Output Load versus Ambient Temperature without Heat Sink



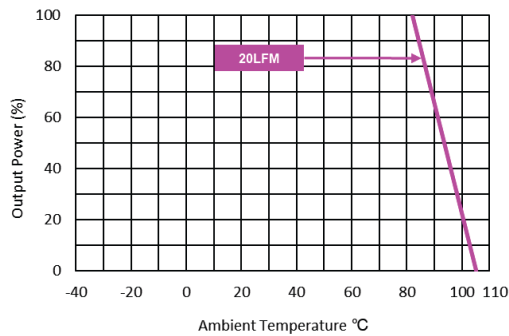
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

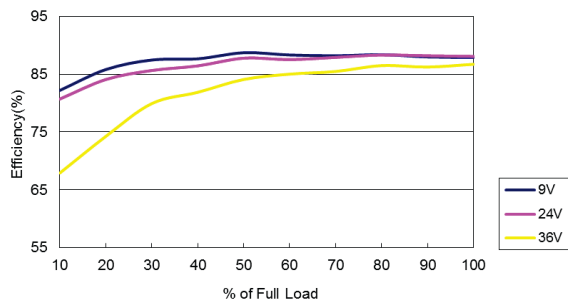


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

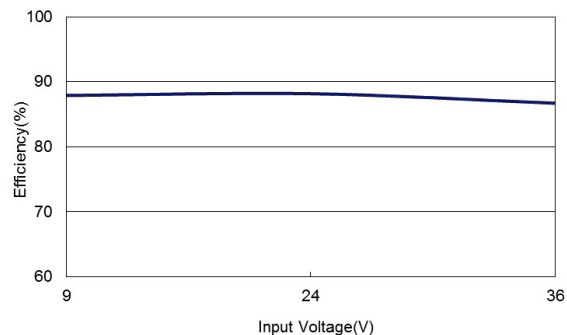


### THR 20-2412WI

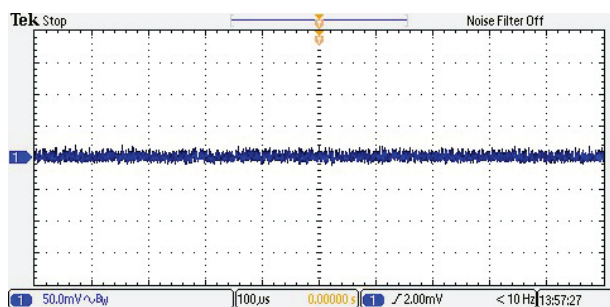
Efficiency versus Output Load



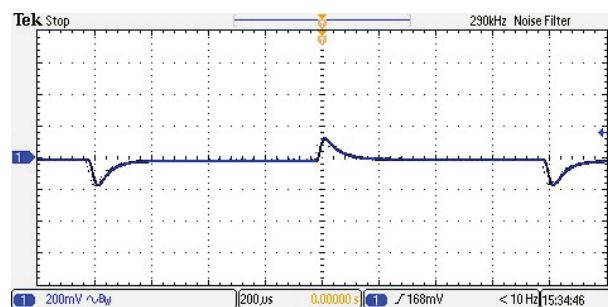
Efficiency versus Input Voltage



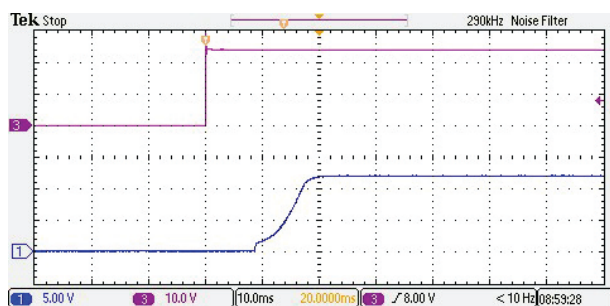
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



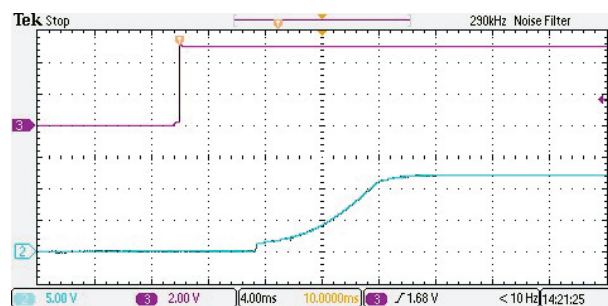
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

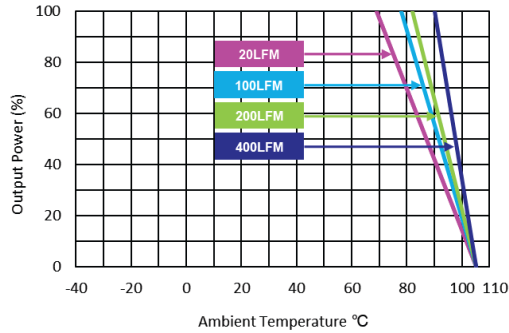


Remote On/Off Voltage Start-Up Characteristic

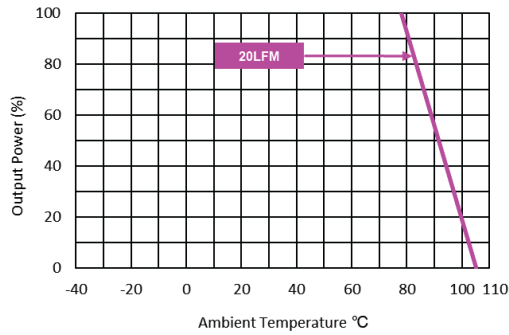


### THR 20-2412WI

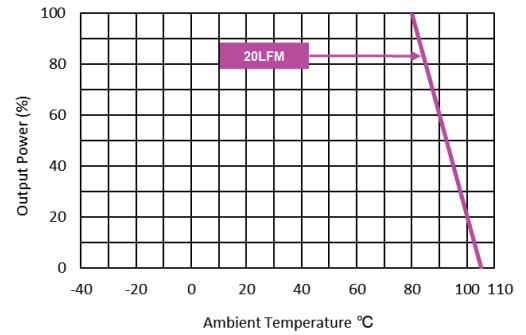
Derating Output Load versus Ambient Temperature without Heat Sink



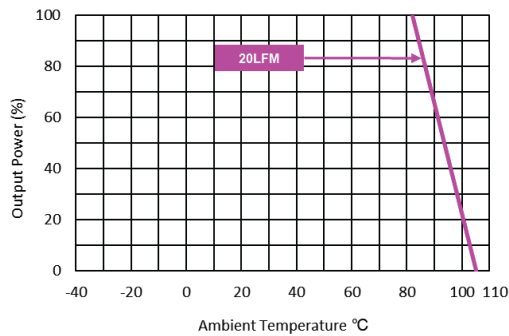
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

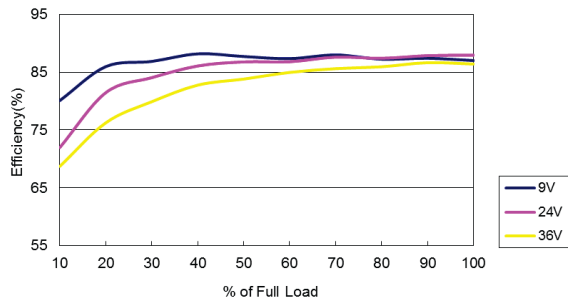


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

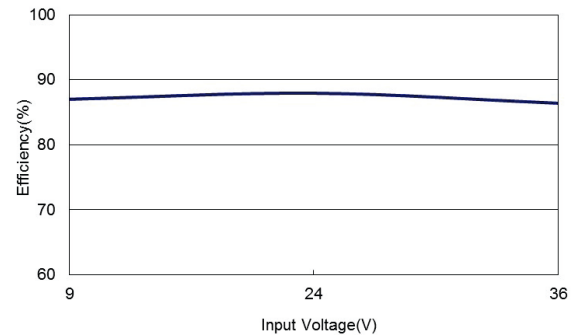


### THR 20-2413WI

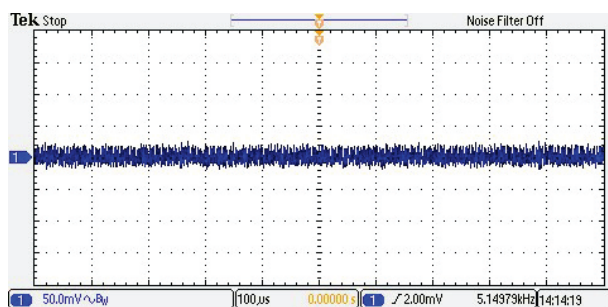
Efficiency versus Output Load



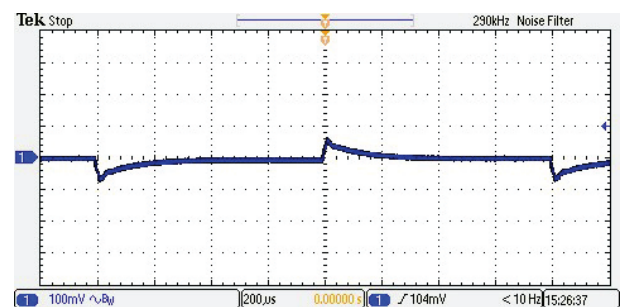
Efficiency versus Input Voltage



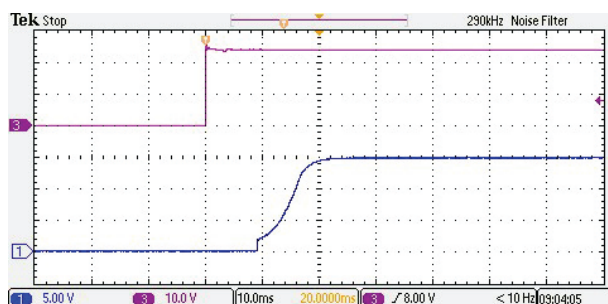
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



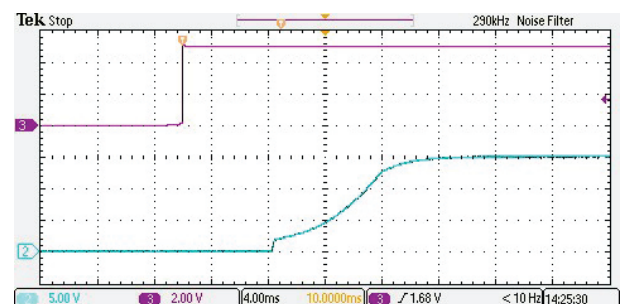
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

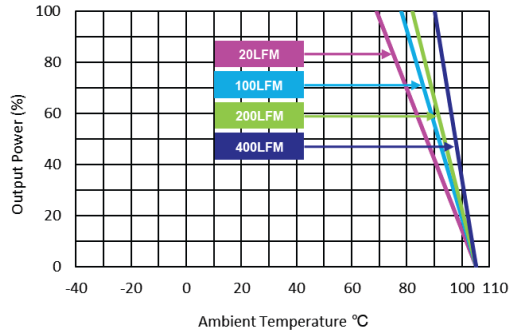


Remote On/Off Voltage Start-Up Characteristic

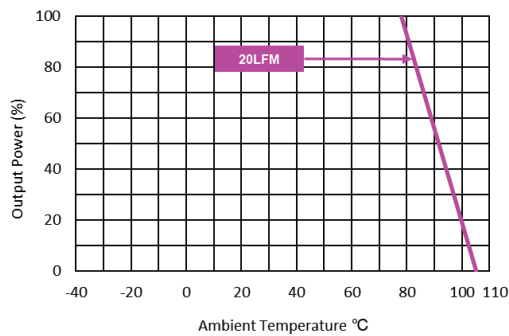


**THR 20-2413WI**

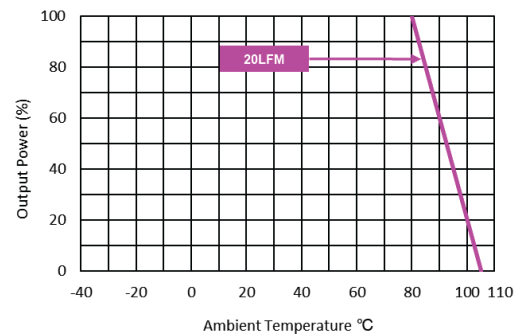
Derating Output Load versus Ambient Temperature without Heat Sink



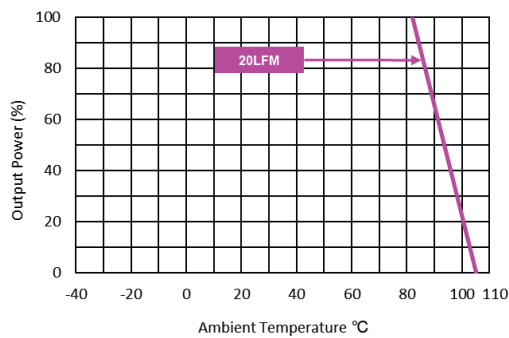
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

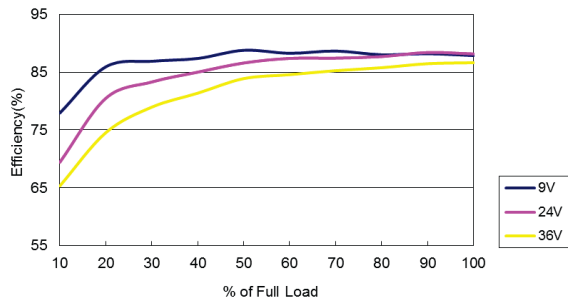


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

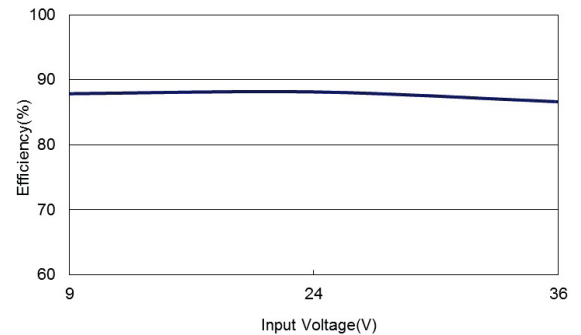


### THR 20-2415WI

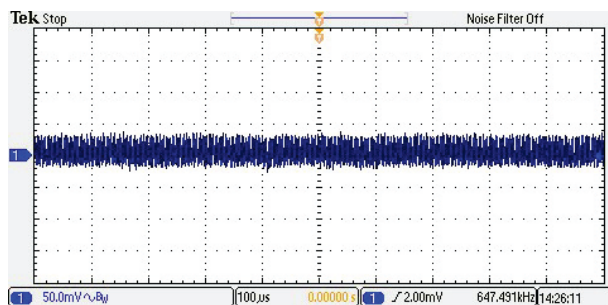
Efficiency versus Output Load



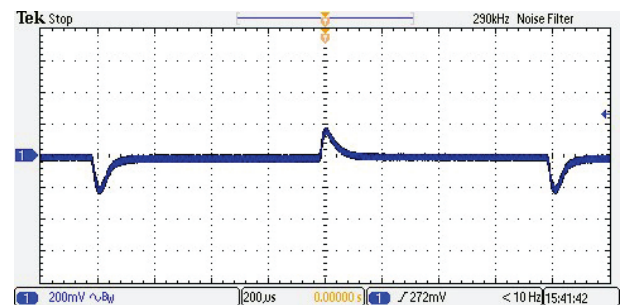
Efficiency versus Input Voltage



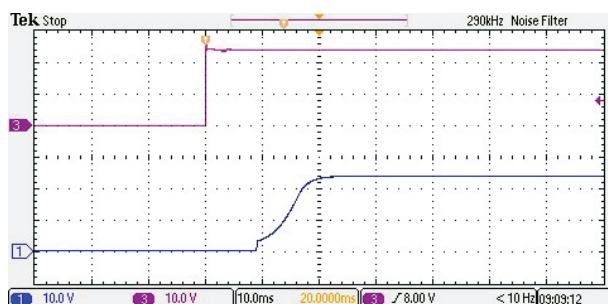
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



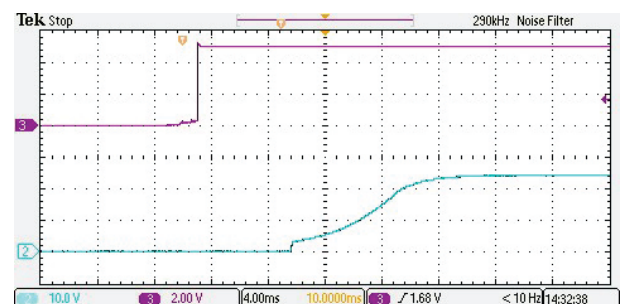
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

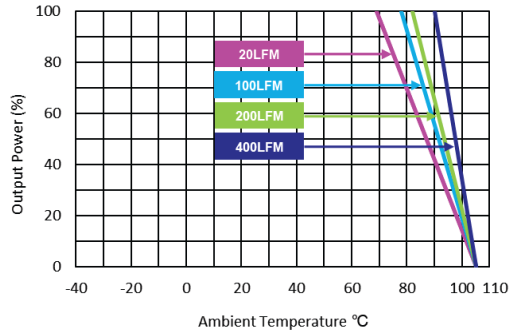


Remote On/Off Voltage Start-Up Characteristic

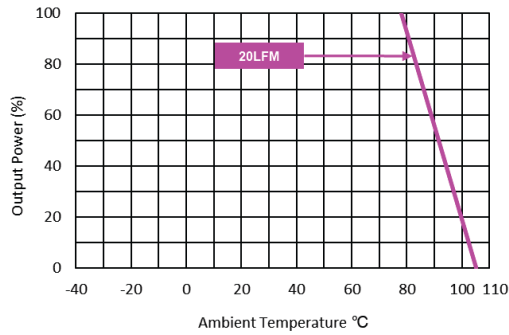


### THR 20-2415WI

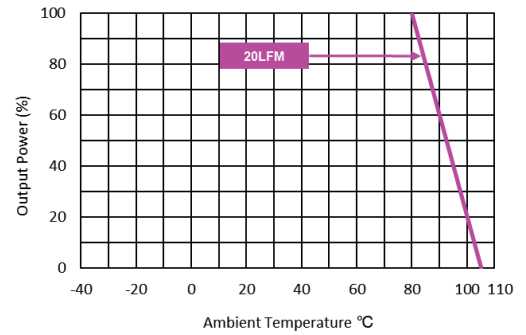
Derating Output Load versus Ambient Temperature without Heat Sink



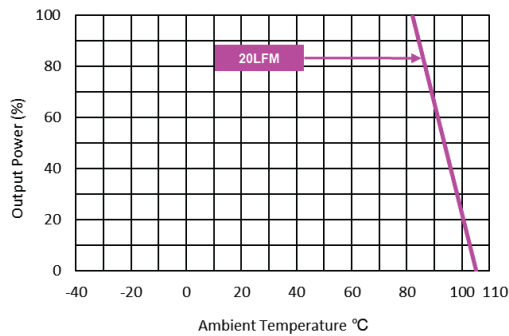
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2



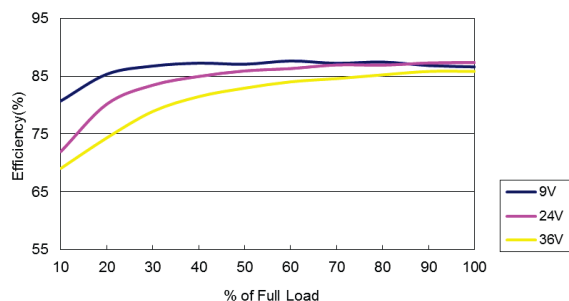
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3



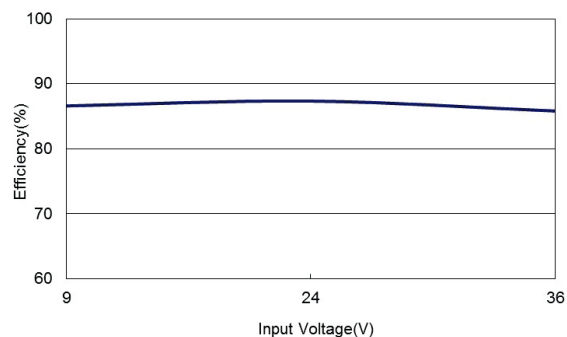


### THR 20-2422WI

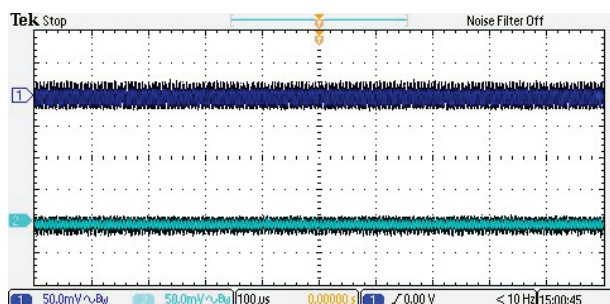
Efficiency versus Output Load



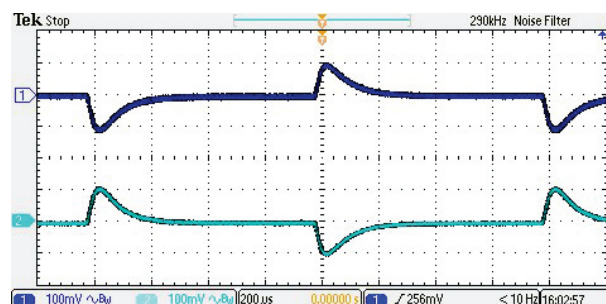
Efficiency versus Input Voltage



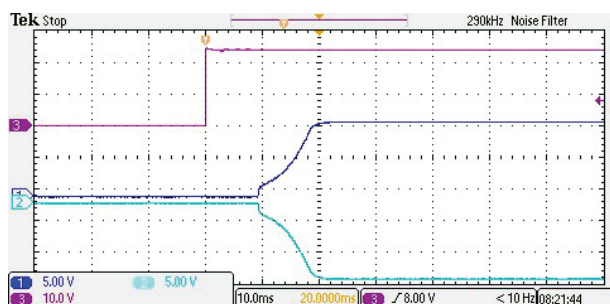
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



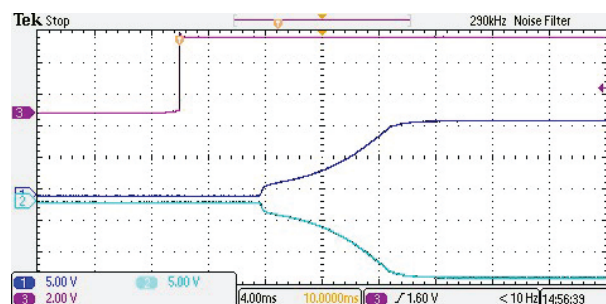
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

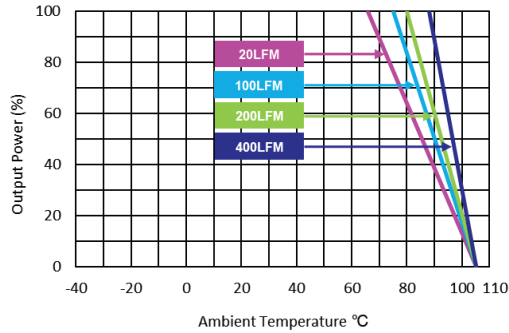


Remote On/Off Voltage Start-Up Characteristic

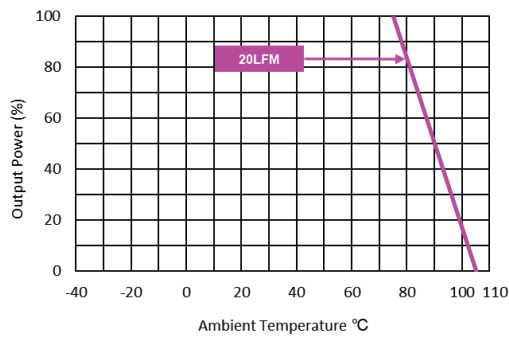


### THR 20-2422WI

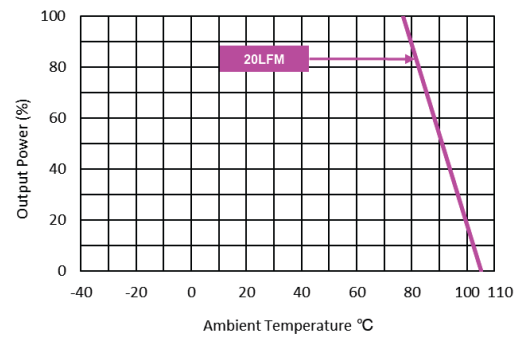
Derating Output Load versus Ambient Temperature without Heat Sink



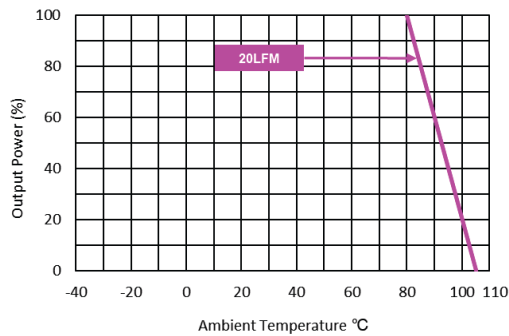
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

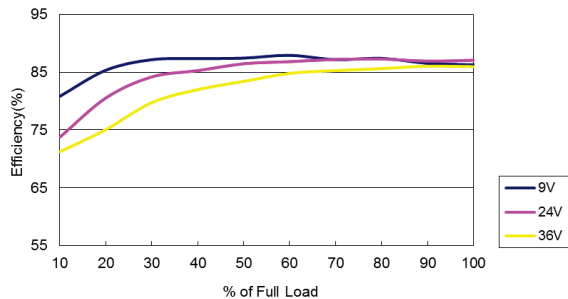


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

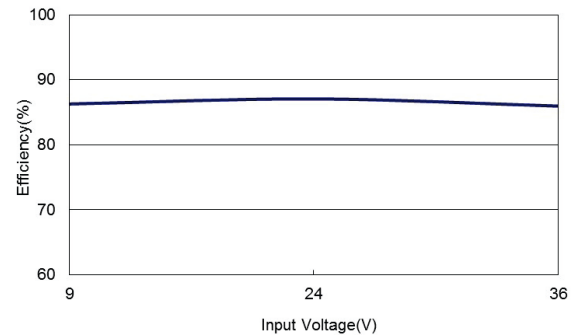


### THR 20-2423WI

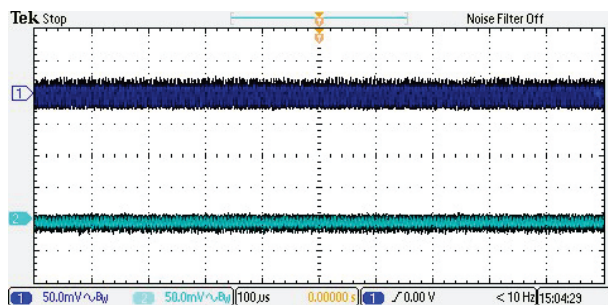
Efficiency versus Output Load



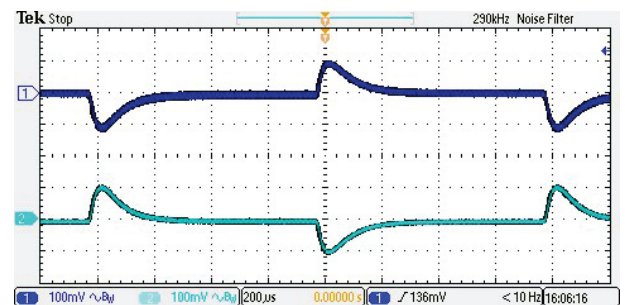
Efficiency versus Input Voltage



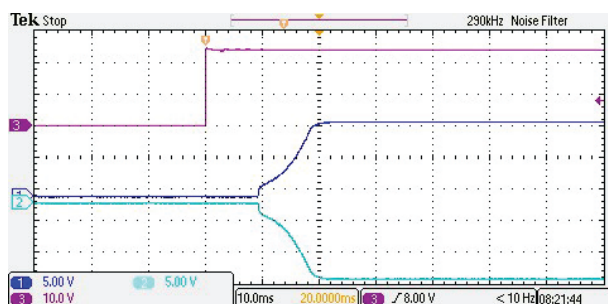
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



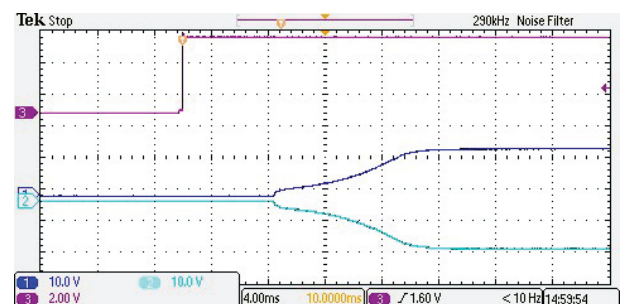
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

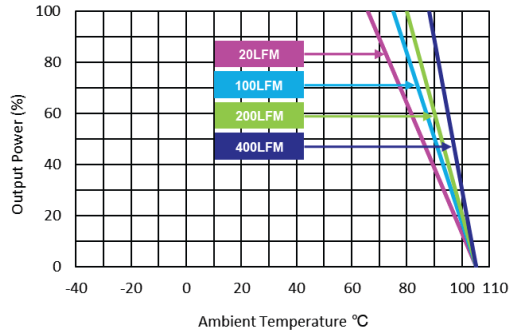


Remote On/Off Voltage Start-Up Characteristic

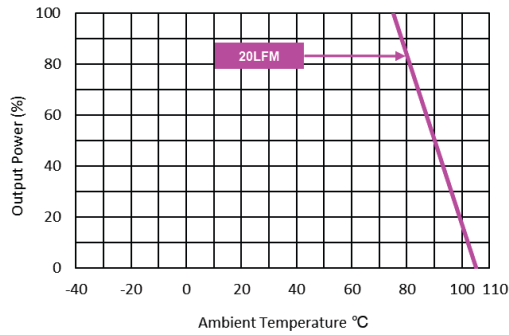


### THR 20-2423WI

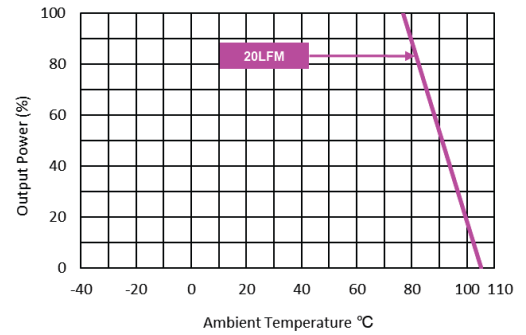
Derating Output Load versus Ambient Temperature without Heat Sink



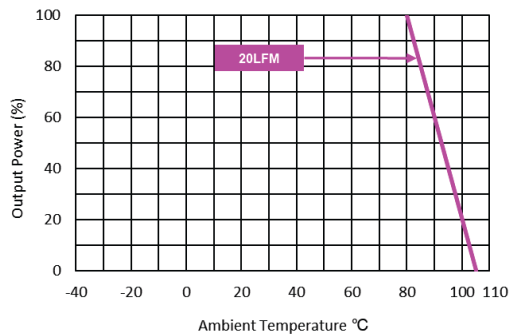
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

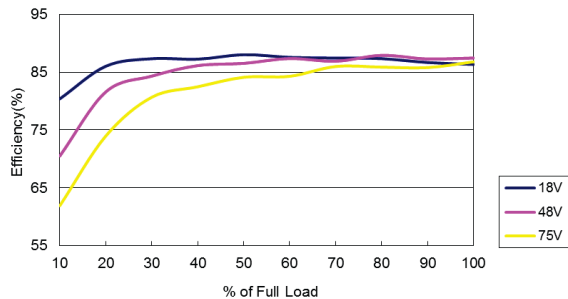


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

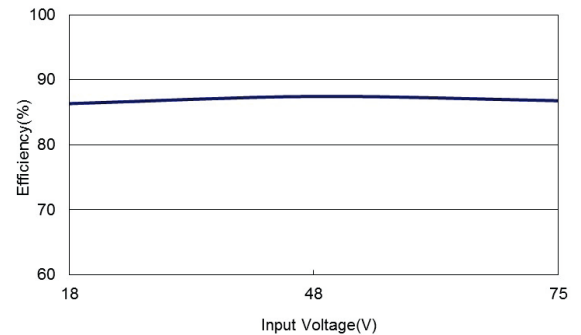


### THR 20-4811WI

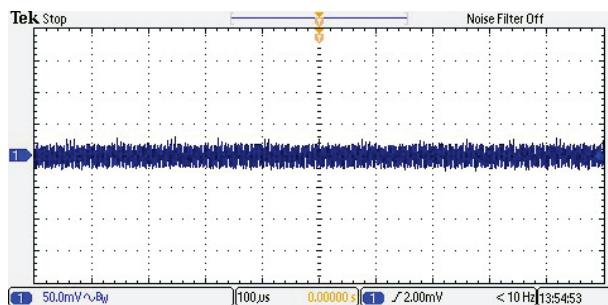
Efficiency versus Output Load



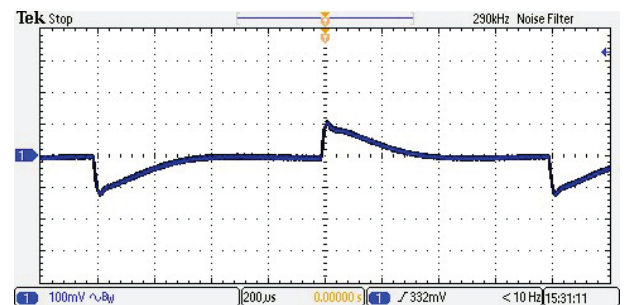
Efficiency versus Input Voltage



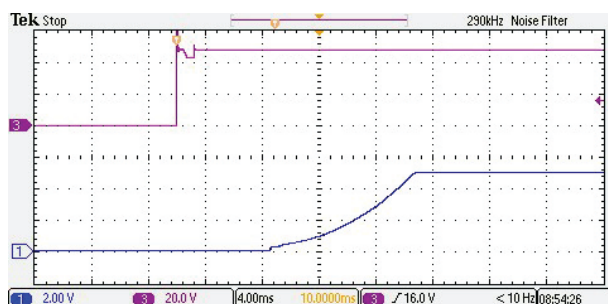
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



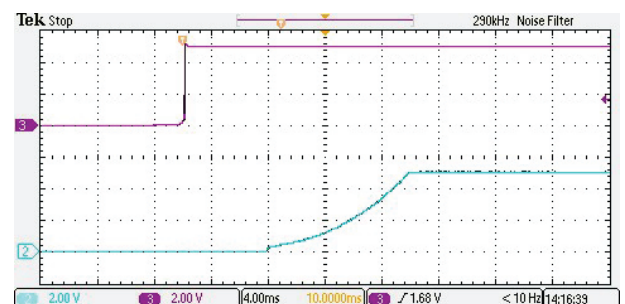
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

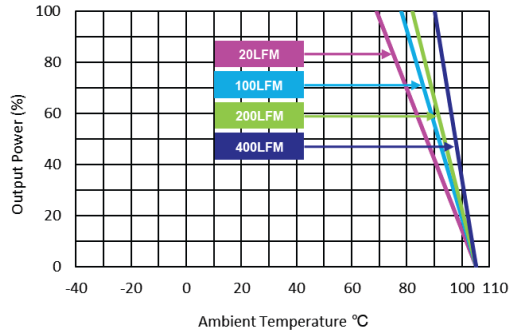


Remote On/Off Voltage Start-Up Characteristic

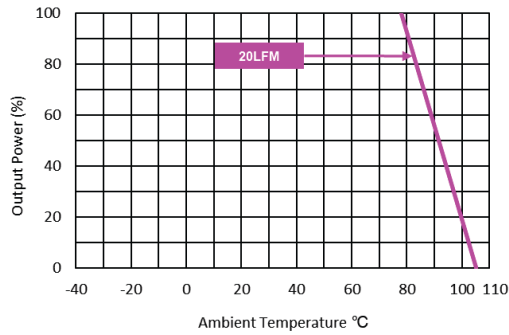


### THR 20-4811WI

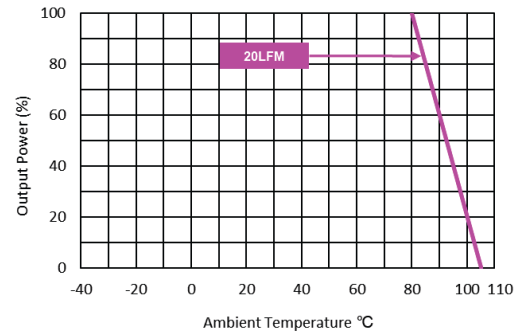
Derating Output Load versus Ambient Temperature without Heat Sink



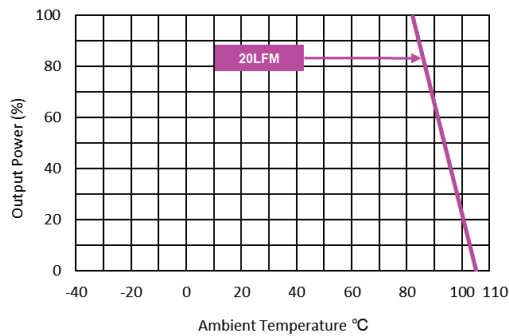
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

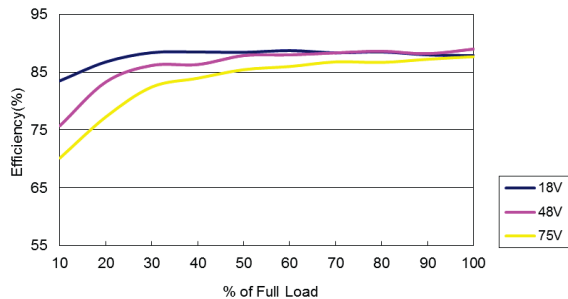


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

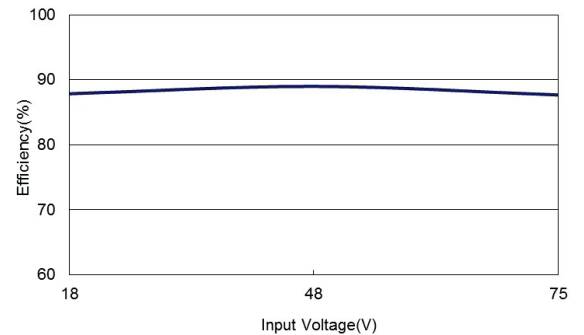


### THR 20-4812WI

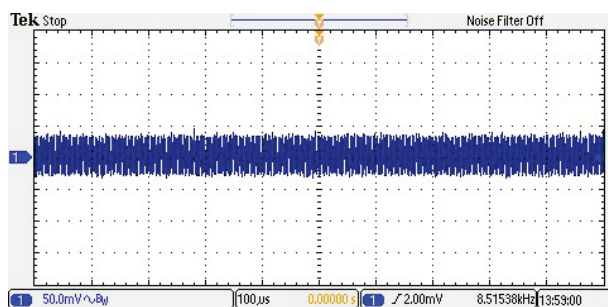
Efficiency versus Output Load



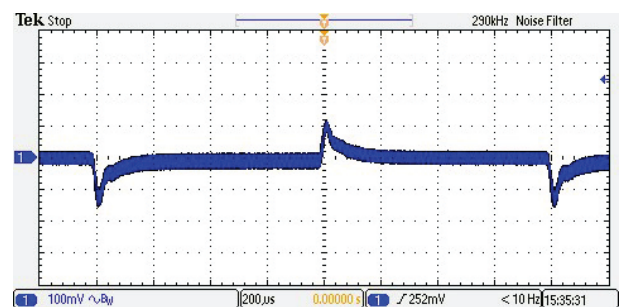
Efficiency versus Input Voltage



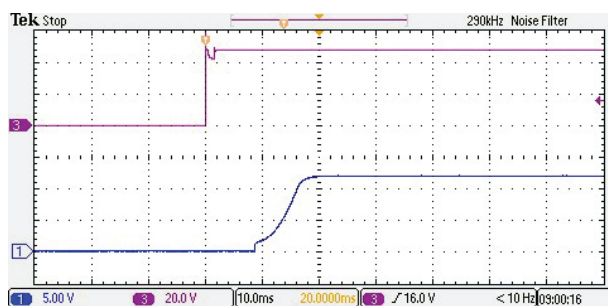
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



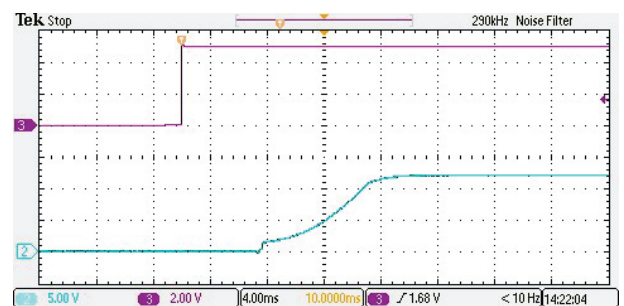
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

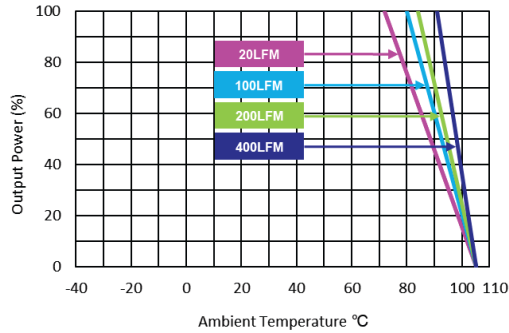


Remote On/Off Voltage Start-Up Characteristic

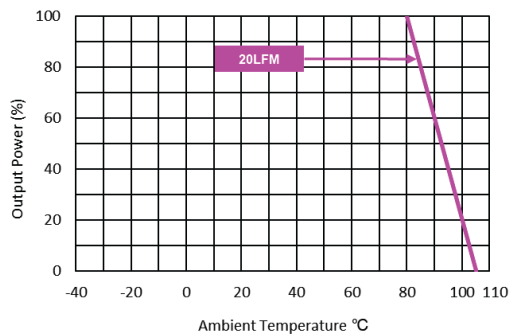


### THR 20-4812WI

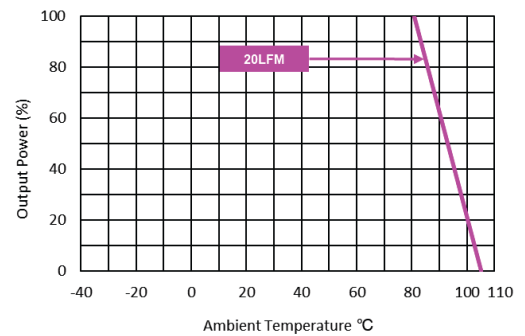
Derating Output Load versus Ambient Temperature without Heat Sink



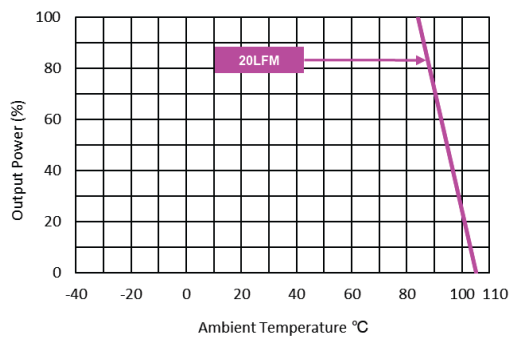
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2



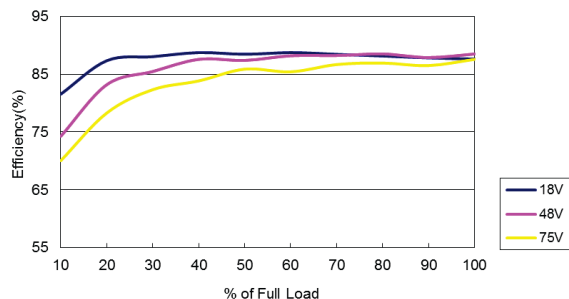
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3



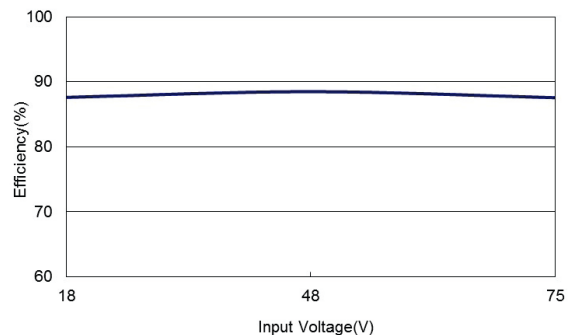


### THR 20-4813WI

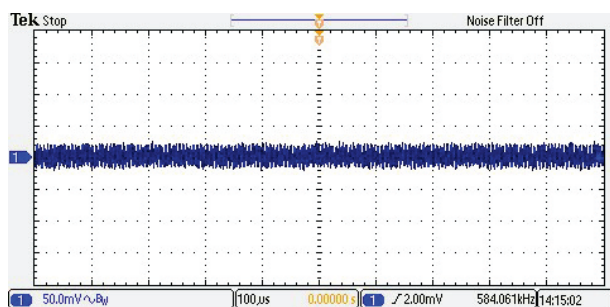
Efficiency versus Output Load



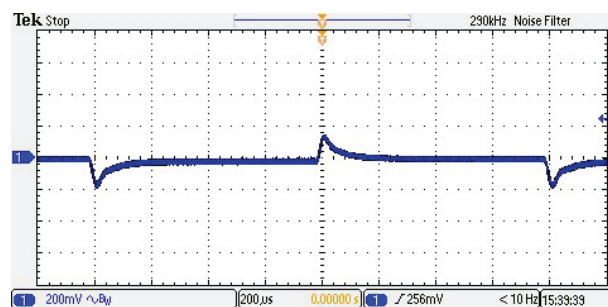
Efficiency versus Input Voltage



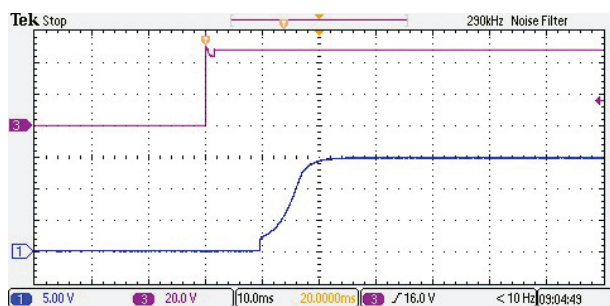
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



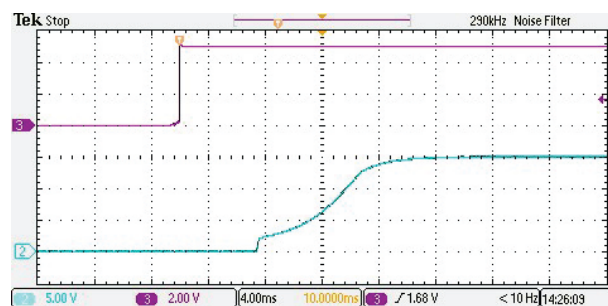
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

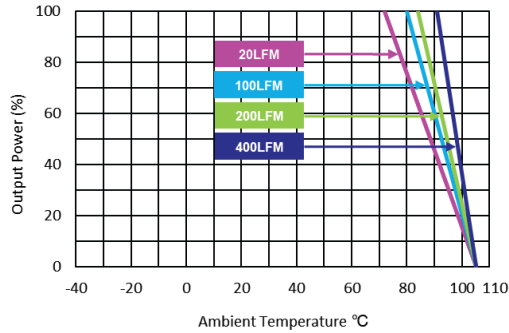


Remote On/Off Voltage Start-Up Characteristic

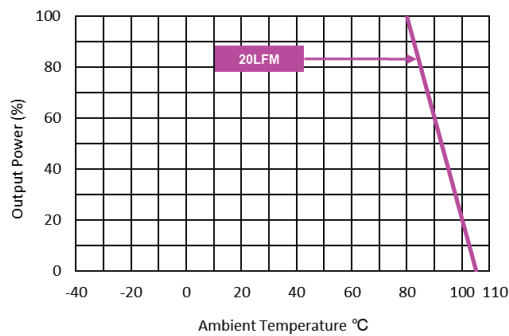


### THR 20-4813WI

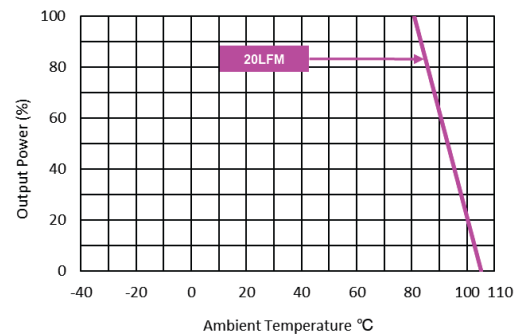
Derating Output Load versus Ambient Temperature without Heat Sink



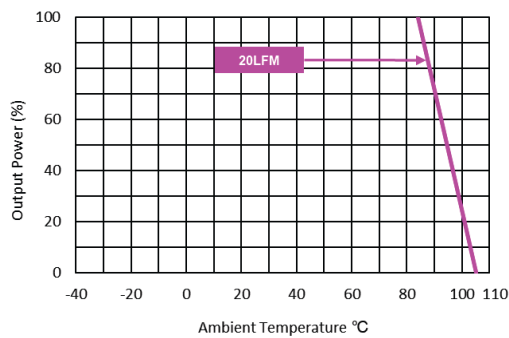
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

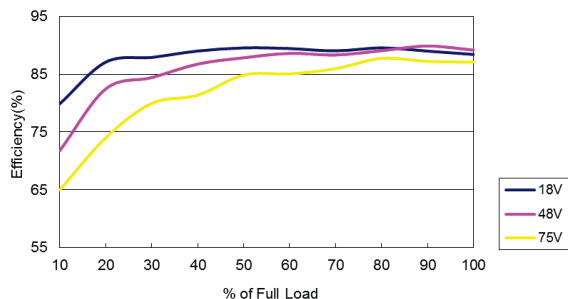


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

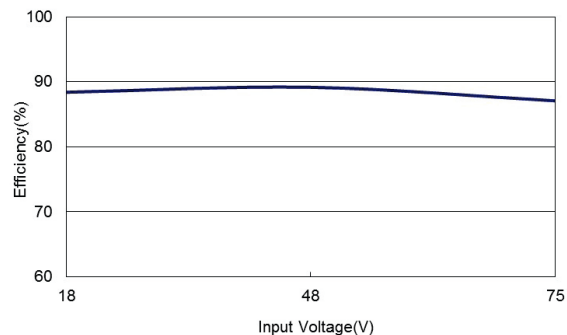


### THR 20-4815WI

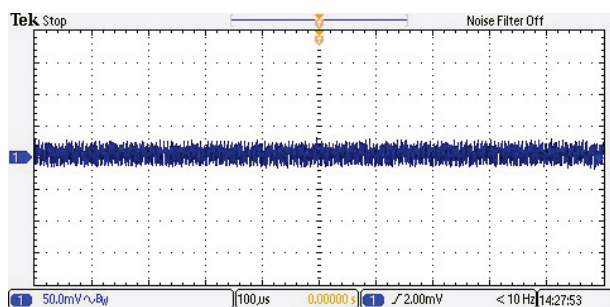
Efficiency versus Output Load



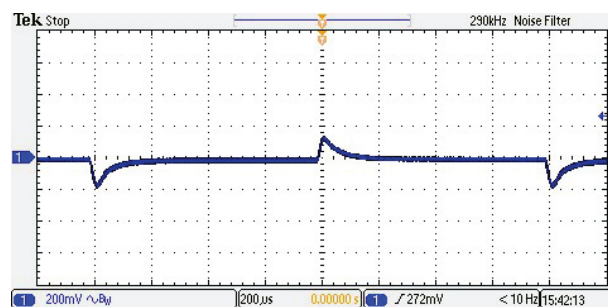
Efficiency versus Input Voltage



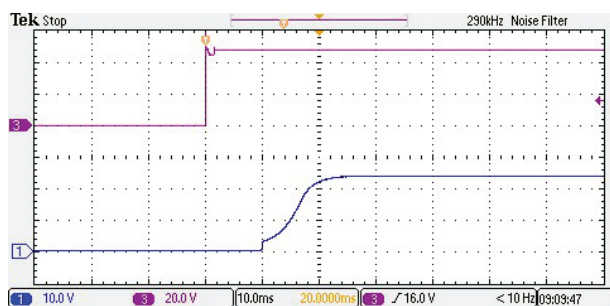
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



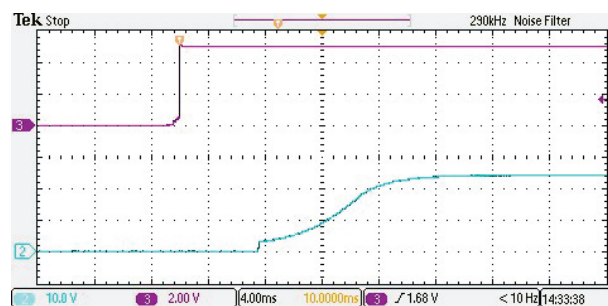
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

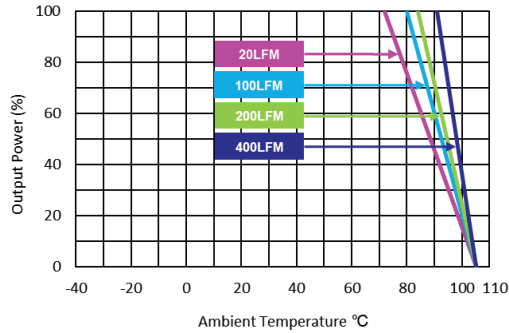


Remote On/Off Voltage Start-Up Characteristic

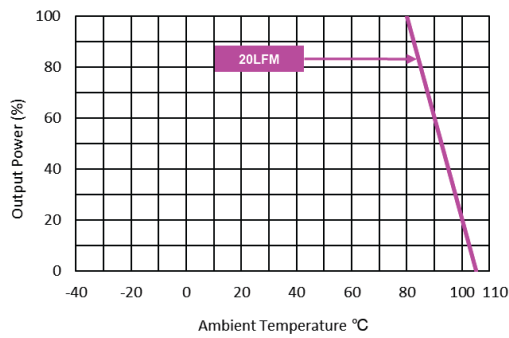


### THR 20-4815WI

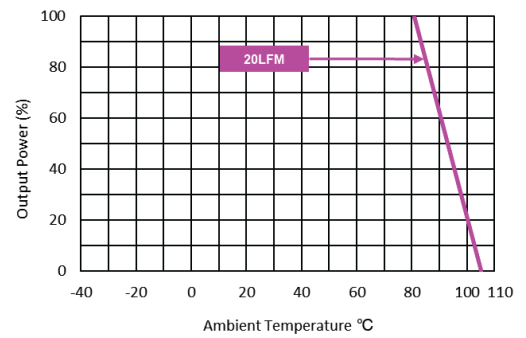
Derating Output Load versus Ambient Temperature without Heat Sink



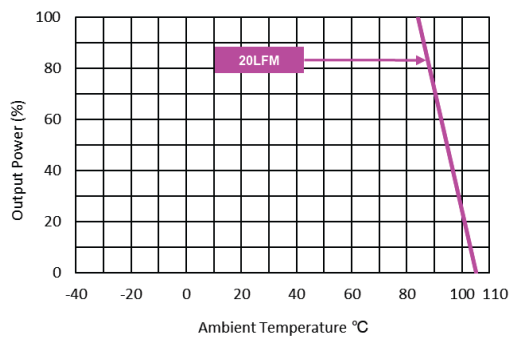
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

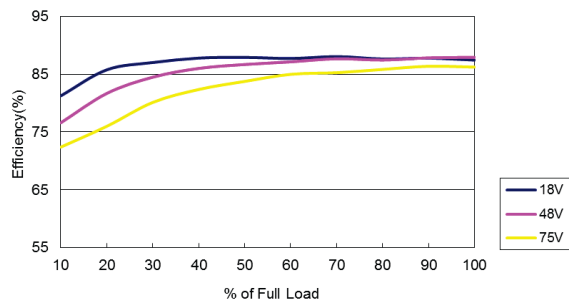


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

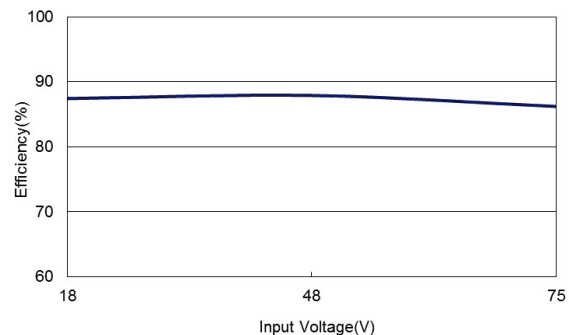


### THR 20-4822WI

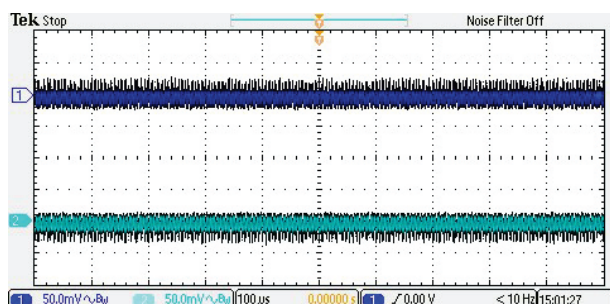
Efficiency versus Output Load



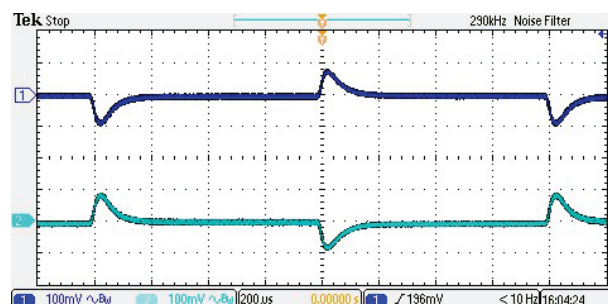
Efficiency versus Input Voltage



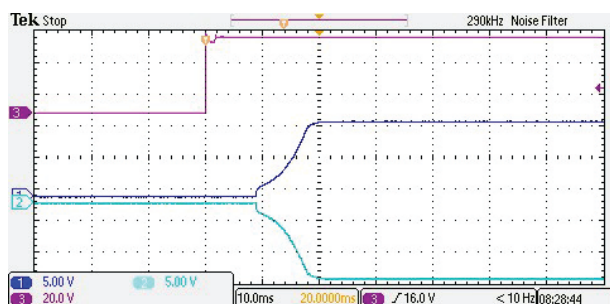
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



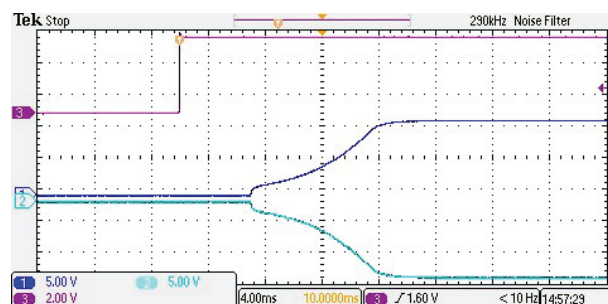
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

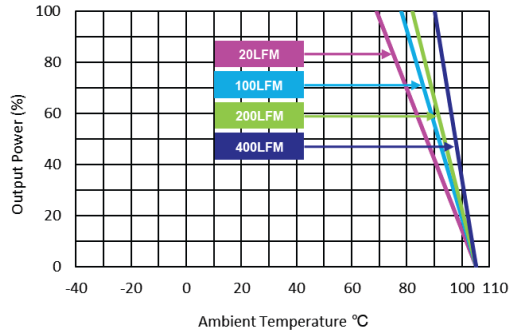


Remote On/Off Voltage Start-Up Characteristic

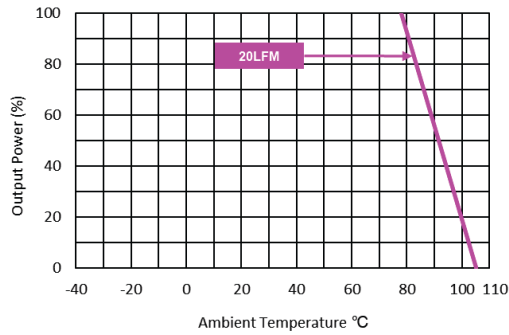


**THR 20-4822WI**

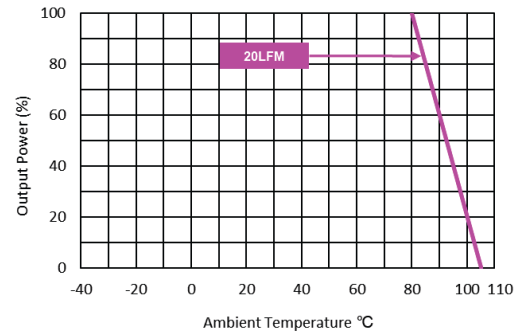
Derating Output Load versus Ambient Temperature without Heat Sink



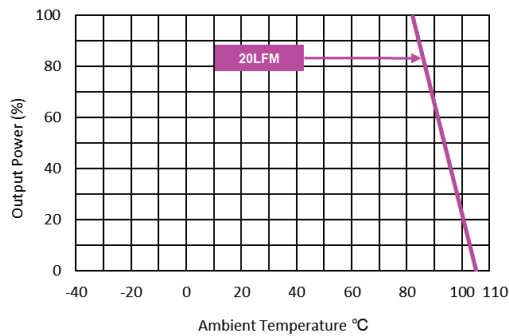
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

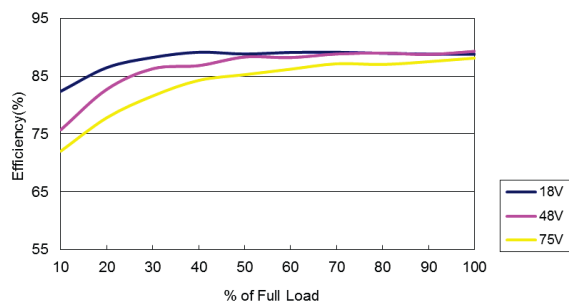


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

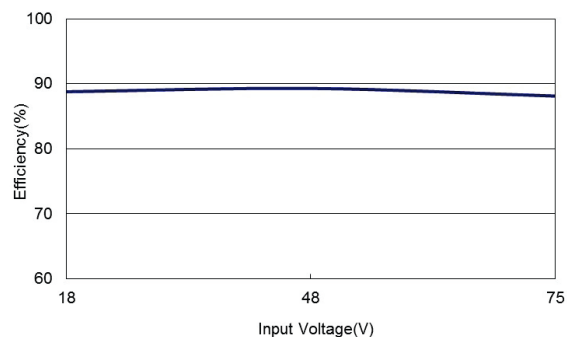


### THR 20-4823WI

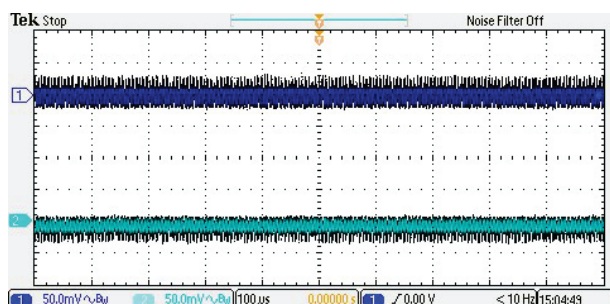
Efficiency versus Output Load



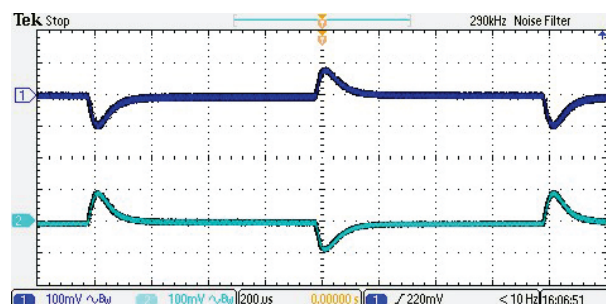
Efficiency versus Input Voltage



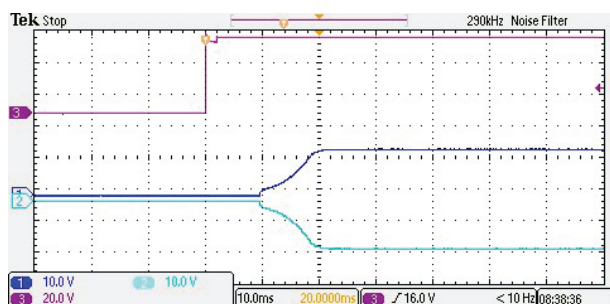
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



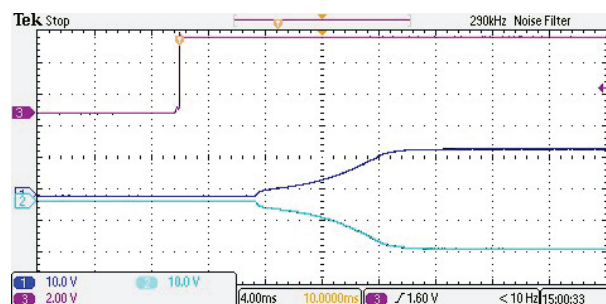
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

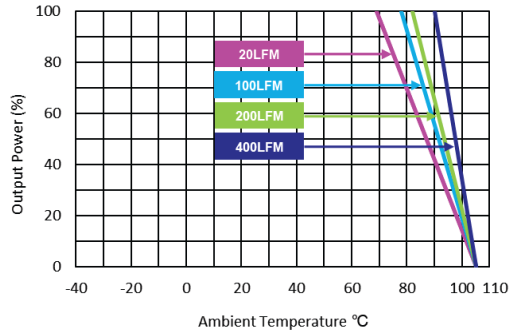


Remote On/Off Voltage Start-Up Characteristic

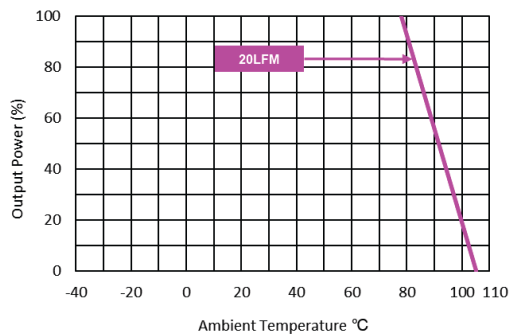


**THR 20-4823WI**

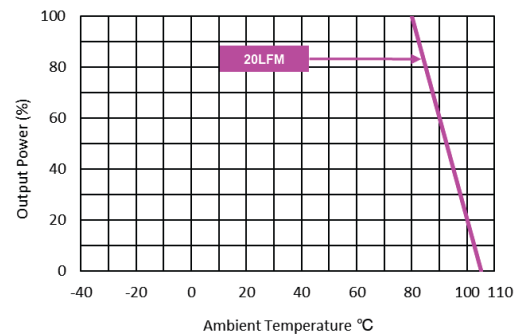
Derating Output Load versus Ambient Temperature without Heat Sink



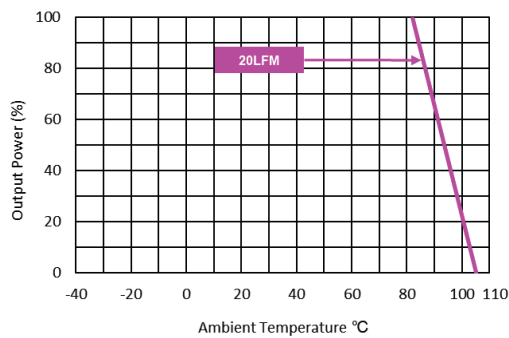
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2



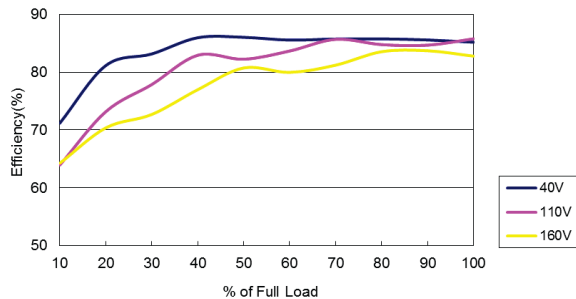
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3



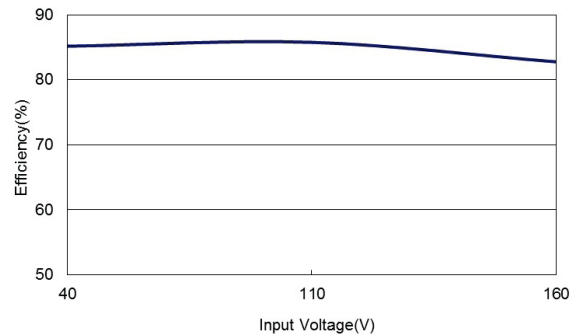


### THR 20-7211WI

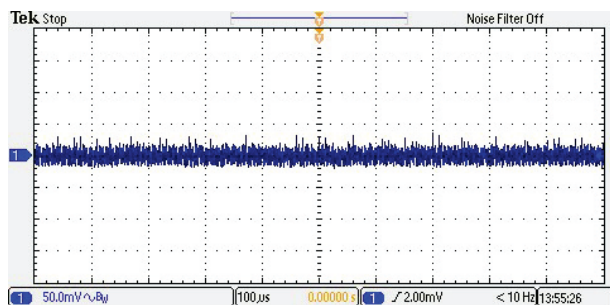
Efficiency versus Output Load



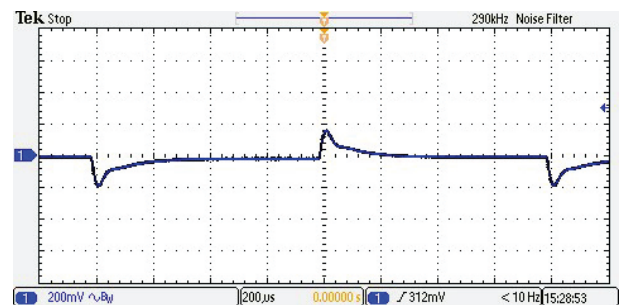
Efficiency versus Input Voltage



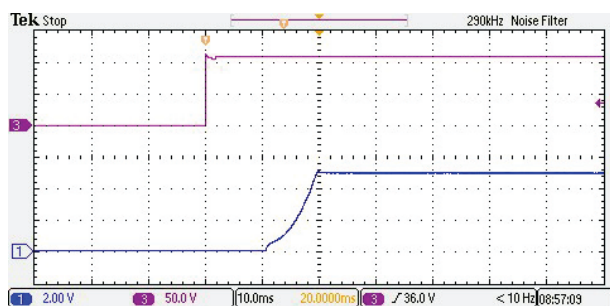
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



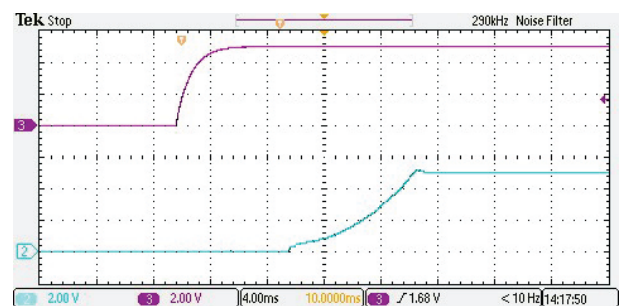
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

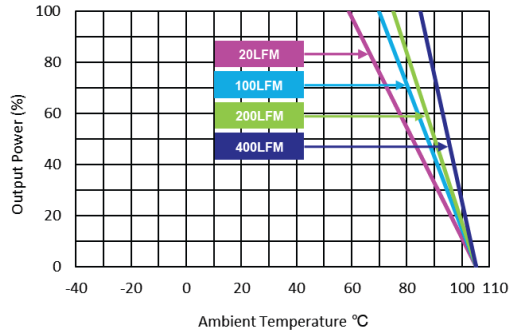


Remote On/Off Voltage Start-Up Characteristic

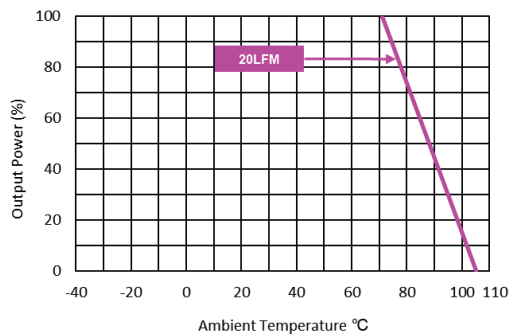


### THR 20-7211WI

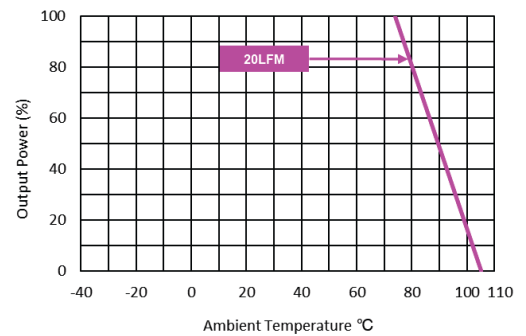
Derating Output Load versus Ambient Temperature without Heat Sink



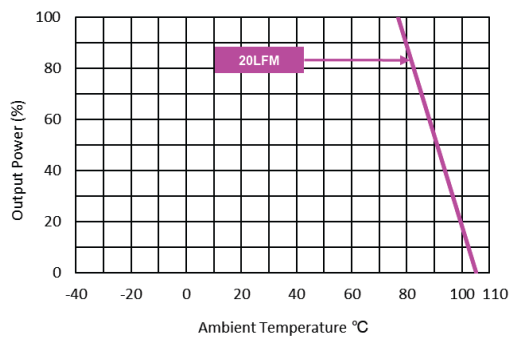
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

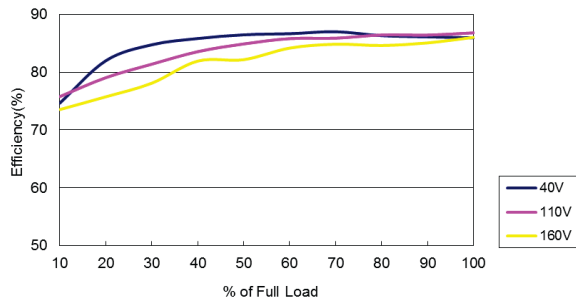


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

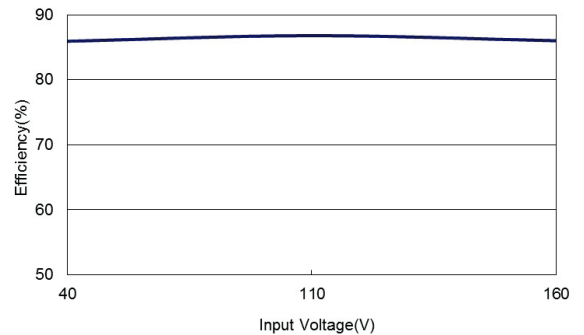


### THR 20-7212WI

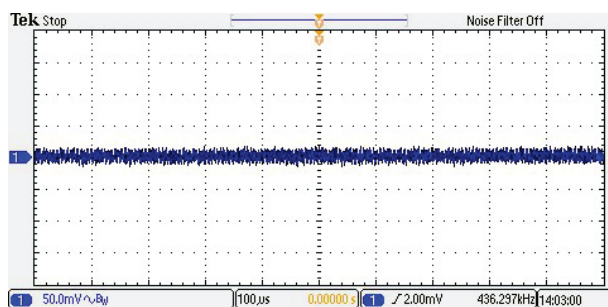
Efficiency versus Output Load



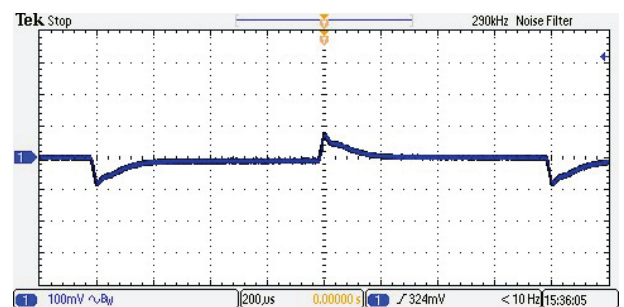
Efficiency versus Input Voltage



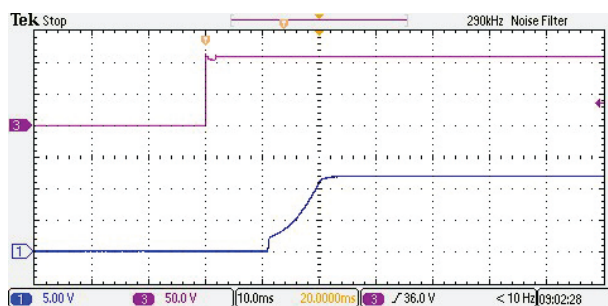
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



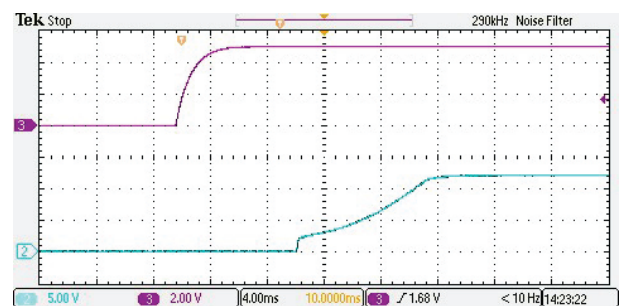
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

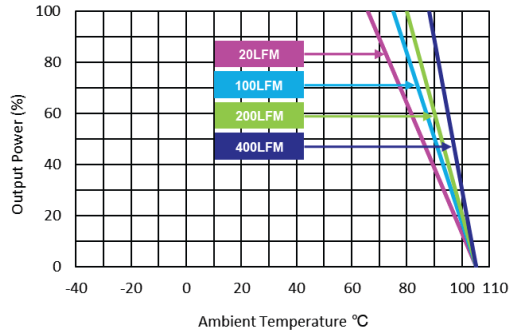


Remote On/Off Voltage Start-Up Characteristic

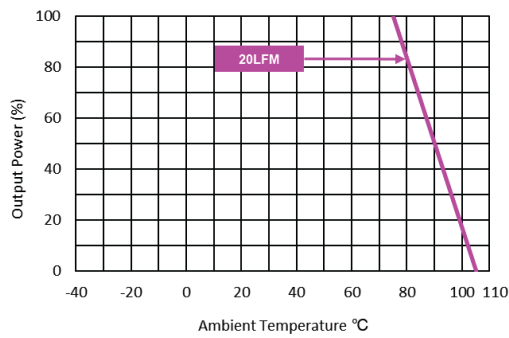


### THR 20-7212WI

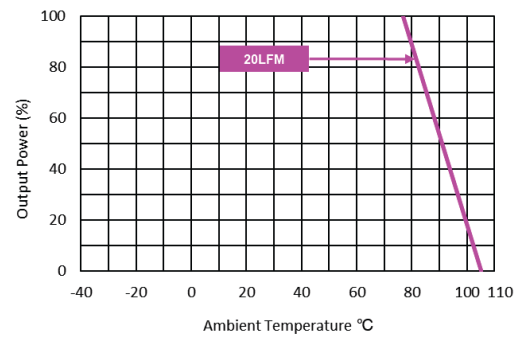
Derating Output Load versus Ambient Temperature without Heat Sink



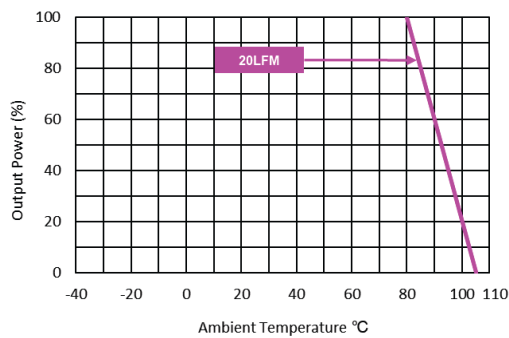
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

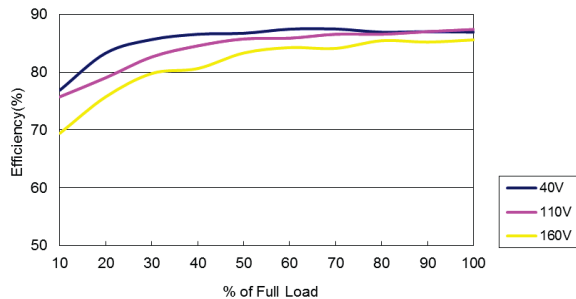


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

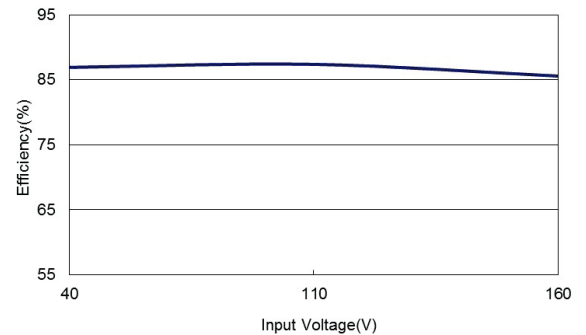


### THR 20-7213WI

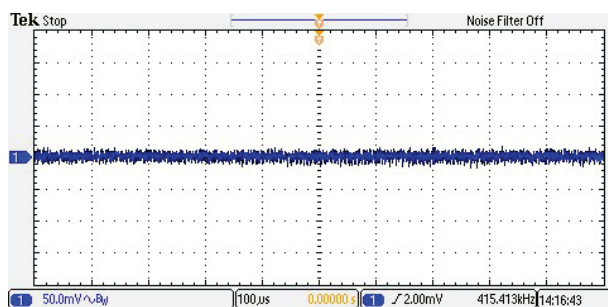
Efficiency versus Output Load



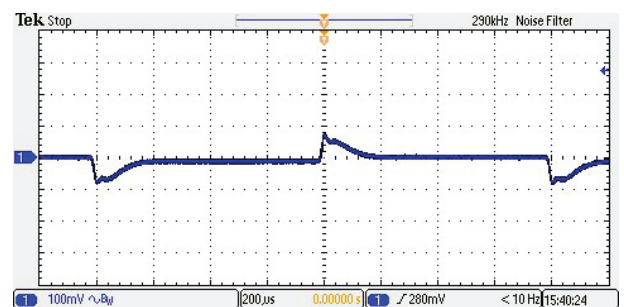
Efficiency versus Input Voltage



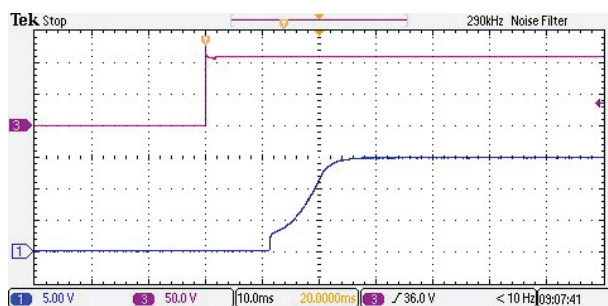
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



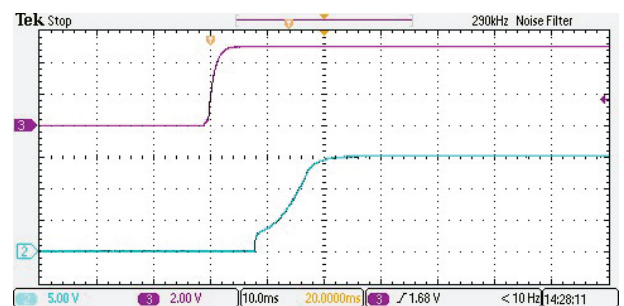
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

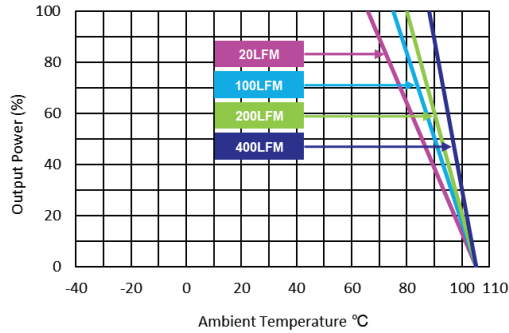


Remote On/Off Voltage Start-Up Characteristic

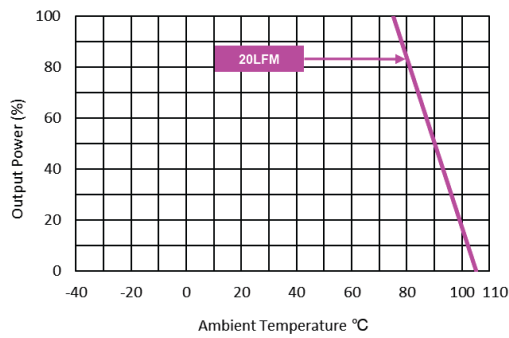


**THR 20-7213WI**

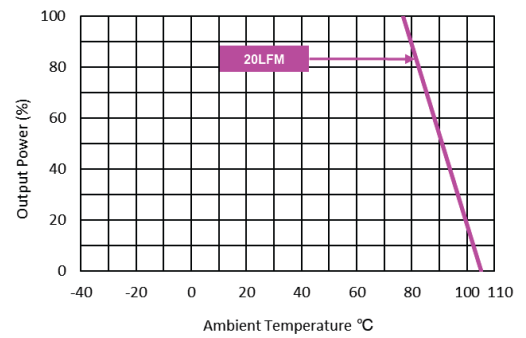
Derating Output Load versus Ambient Temperature without Heat Sink



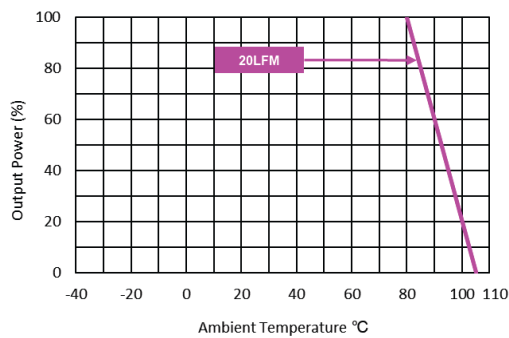
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

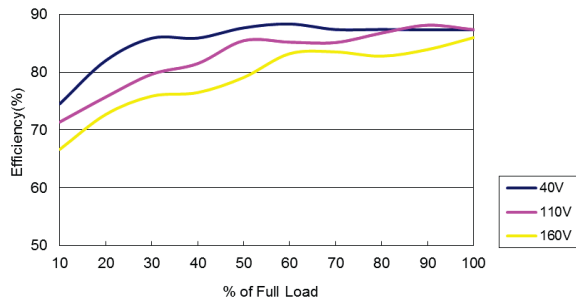


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

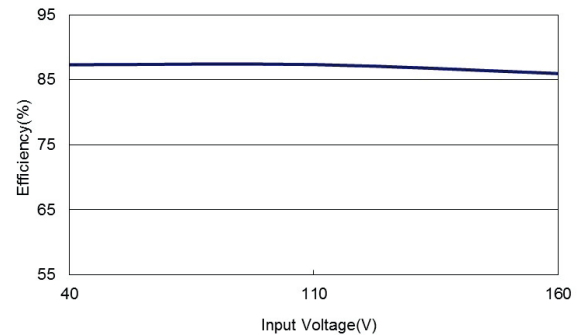


### THR 20-7215WI

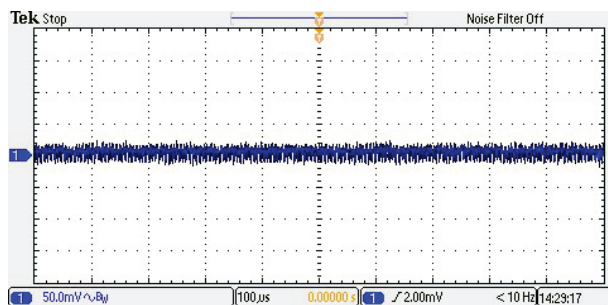
Efficiency versus Output Load



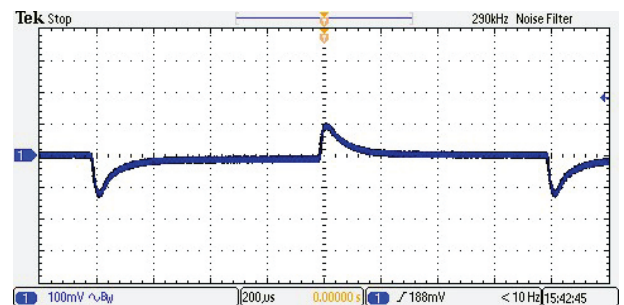
Efficiency versus Input Voltage



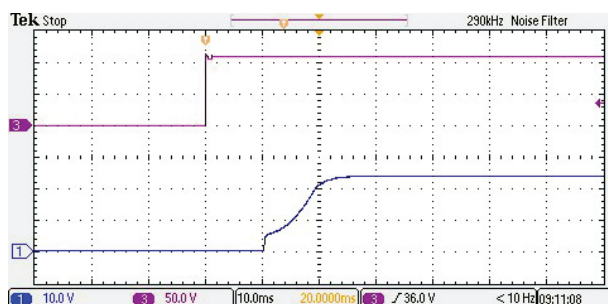
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



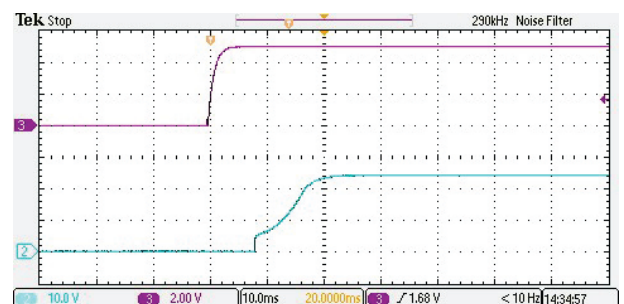
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

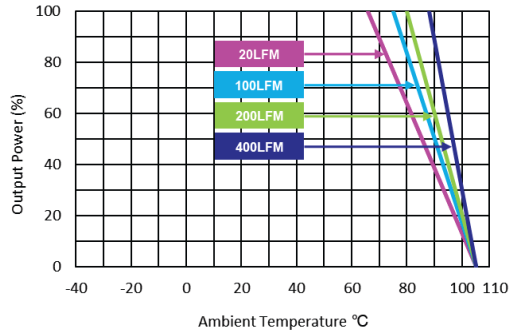


Remote On/Off Voltage Start-Up Characteristic

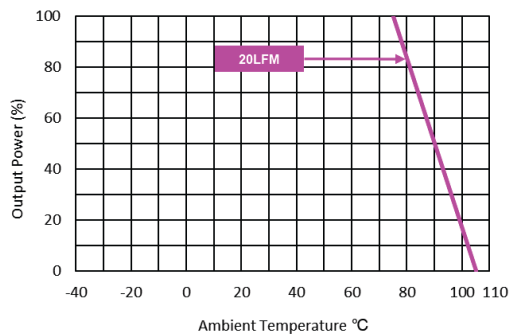


### THR 20-7215WI

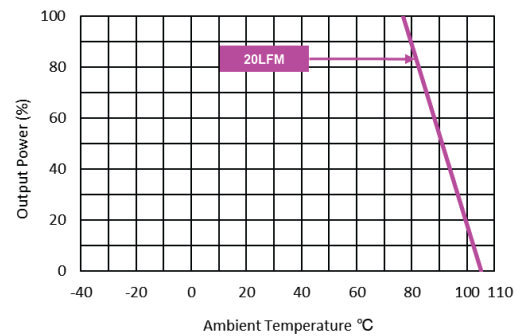
Derating Output Load versus Ambient Temperature without Heat Sink



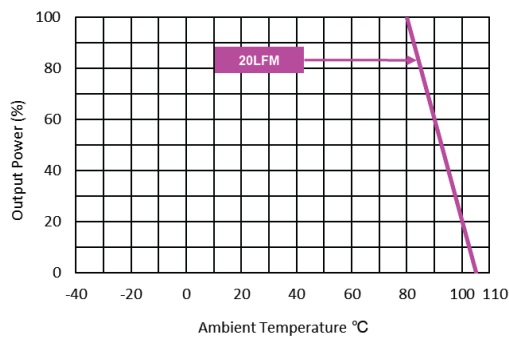
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2



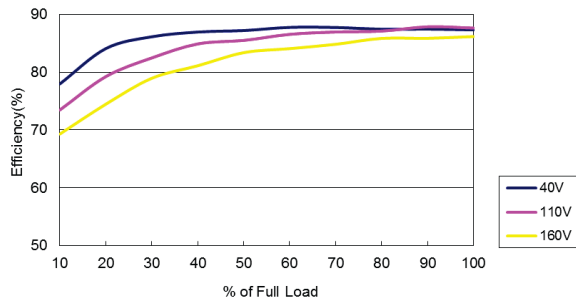
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3



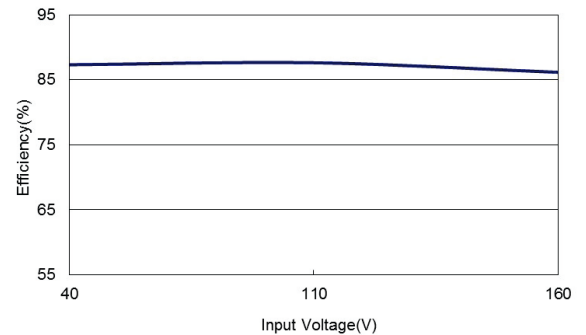


### THR 20-7222WI

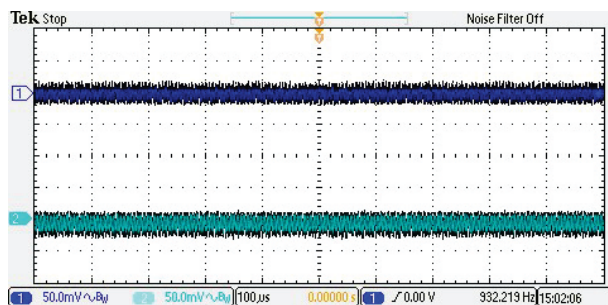
Efficiency versus Output Load



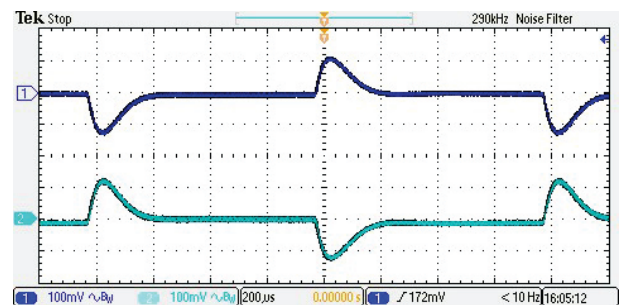
Efficiency versus Input Voltage



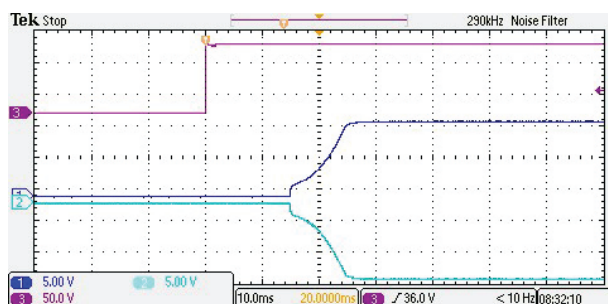
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



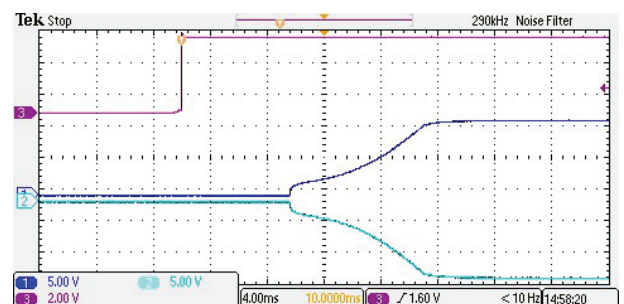
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

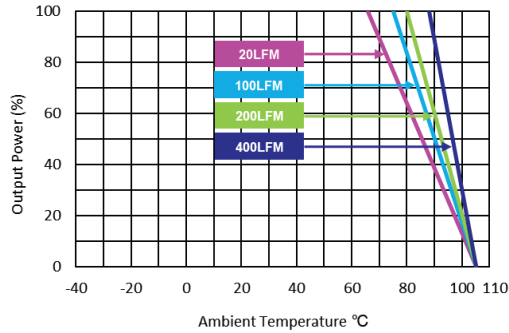


Remote On/Off Voltage Start-Up Characteristic

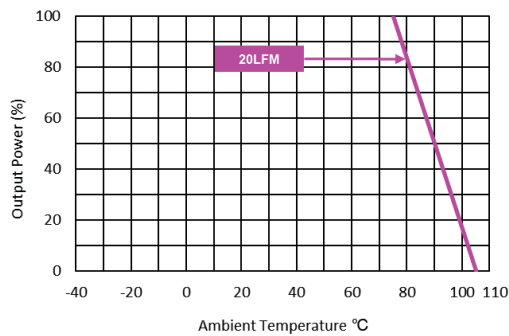


**THR 20-7222WI**

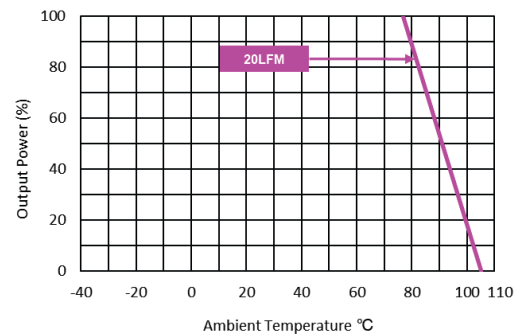
Derating Output Load versus Ambient Temperature without Heat Sink



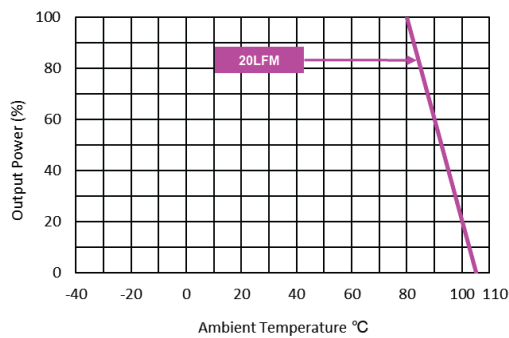
Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2

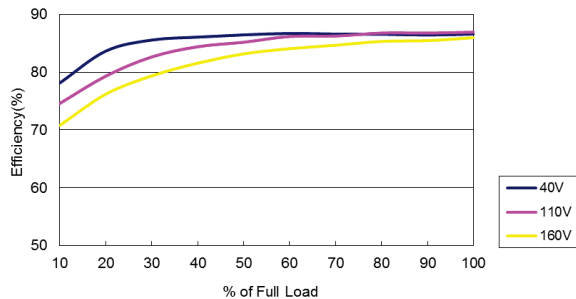


Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

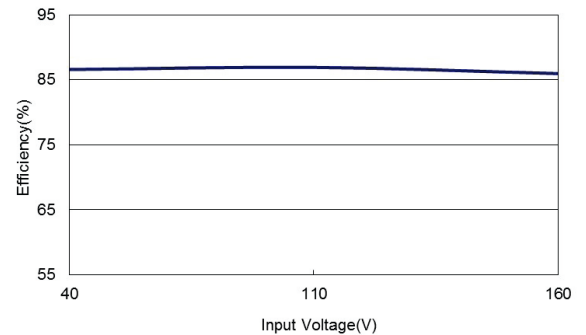


### THR 20-7223WI

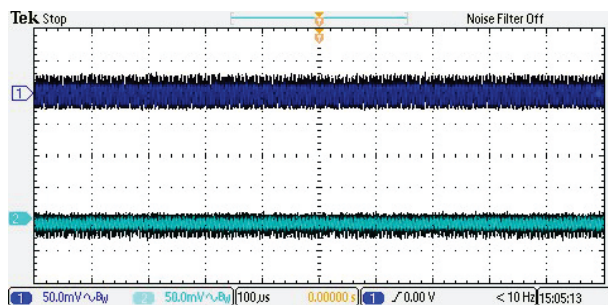
Efficiency versus Output Load



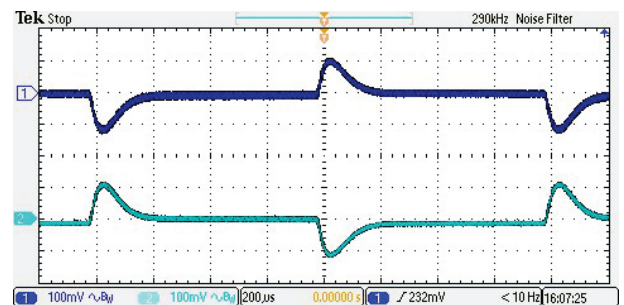
Efficiency versus Input Voltage



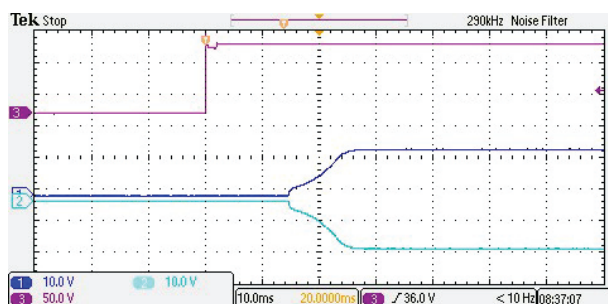
Typical Output Ripple and Noise  
(with external capacitor; see datasheet)



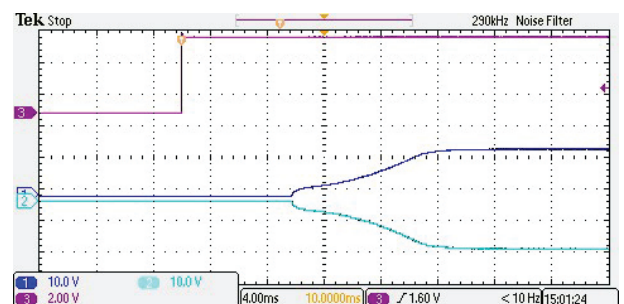
Transient Response to Dynamic Load Change (25%)



Typical Input Start-Up and Output Rise Characteristic

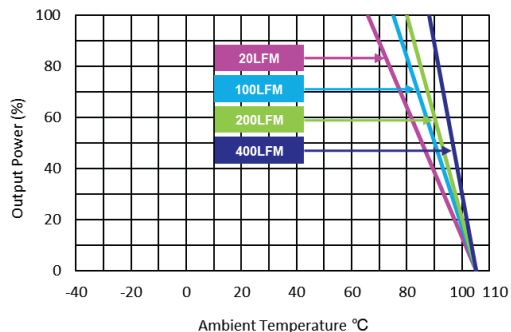


Remote On/Off Voltage Start-Up Characteristic

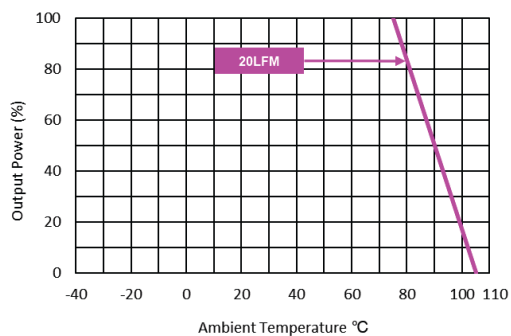


## THR 20-7223WI

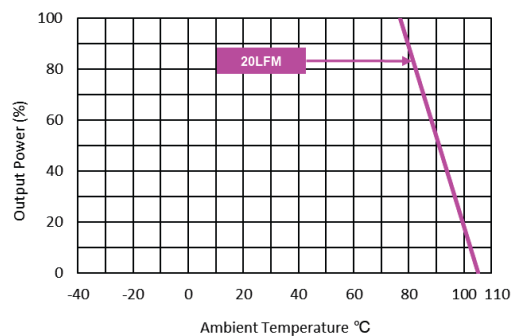
Derating Output Load versus Ambient Temperature without Heat Sink



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS1



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS2



Derating Output Load versus Ambient Temperature with Heat Sink THR-HS3

