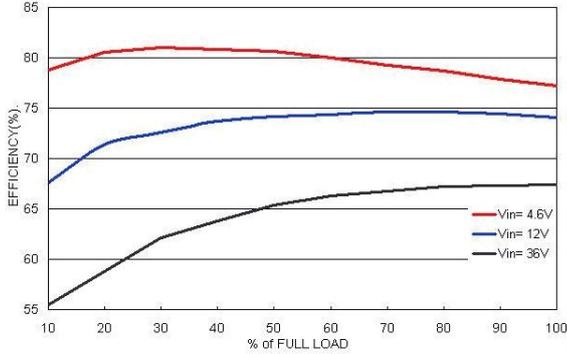


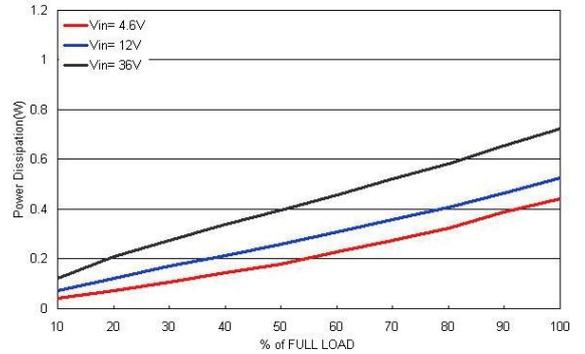
### Characteristic Curves

#### TSRN 1-2415 (positive Output voltage)

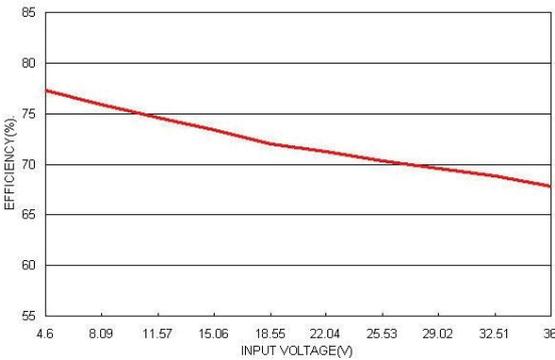
Efficiency vs Output Load



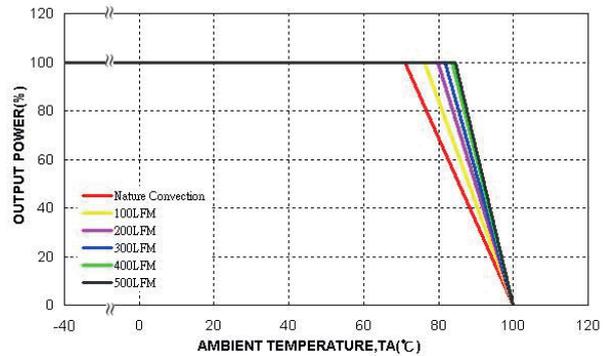
Power Dissipation vs Output Load



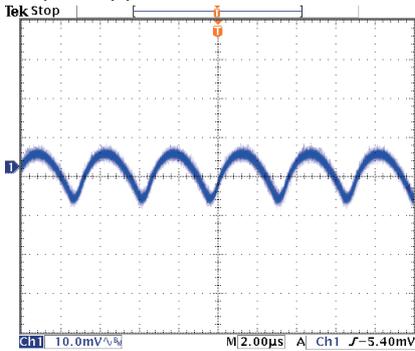
Efficiency vs Input Voltage



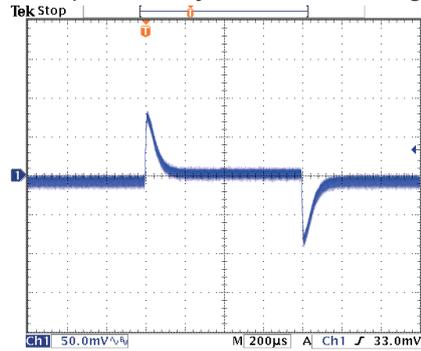
Derating Output Load versus Ambient Temperature



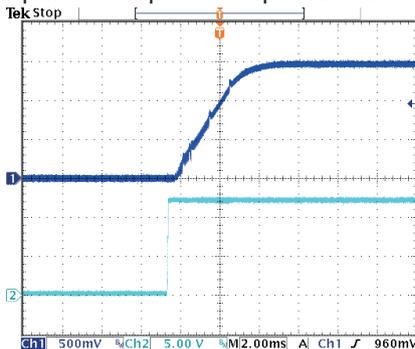
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

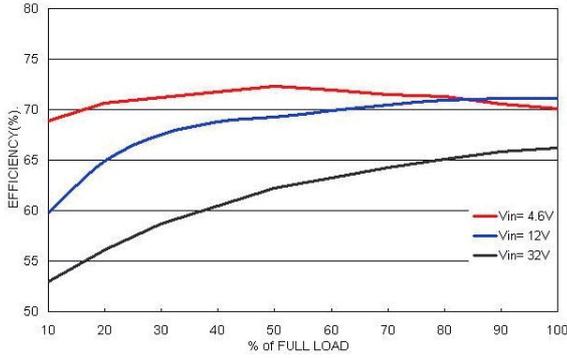


Typical Input Start-Up and Output Rise Characteristic

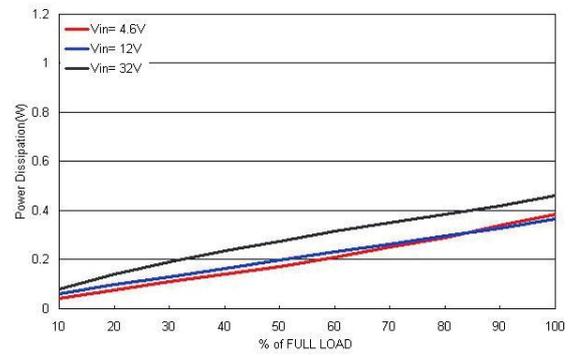


### TSRN 1-2415 (negative Output voltage)

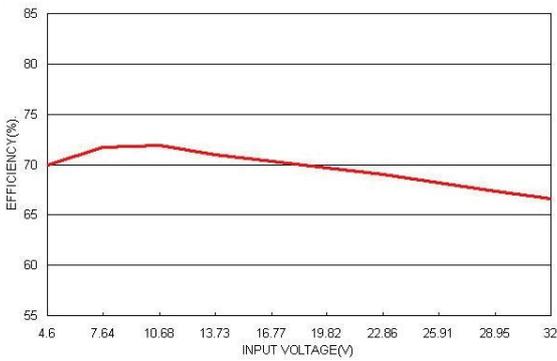
Efficiency vs Output Load



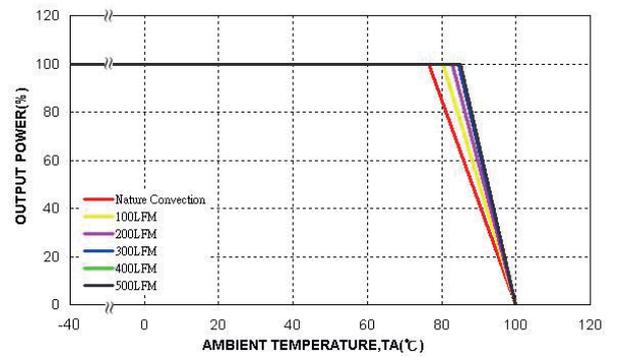
Power Dissipation vs Output Load



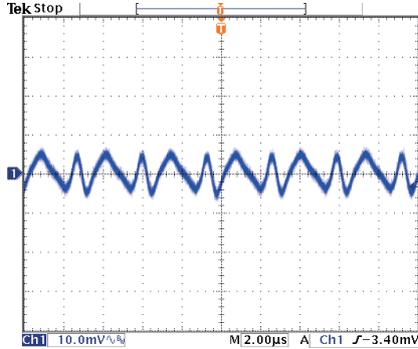
Efficiency vs Input Voltage



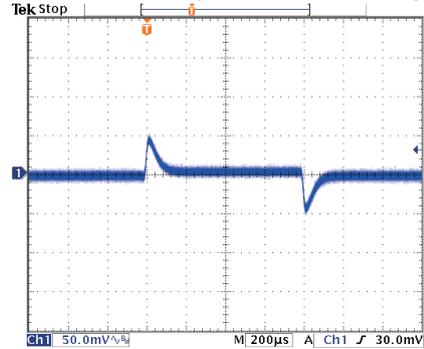
Derating Output Load versus Ambient Temperature



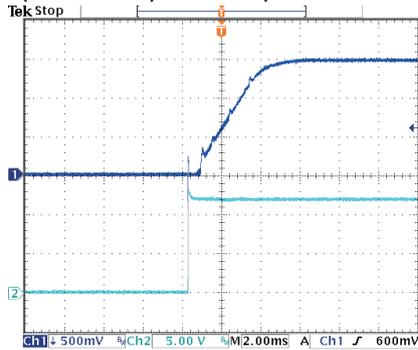
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

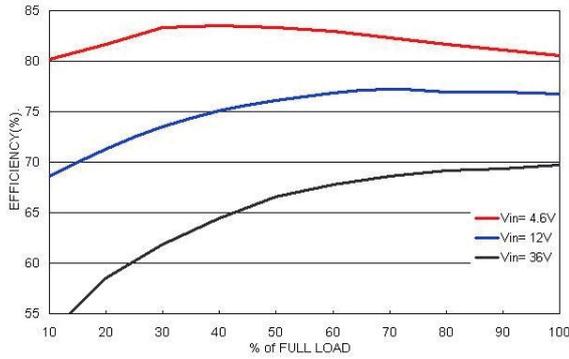


Typical Input Start-Up and Output Rise Characteristic

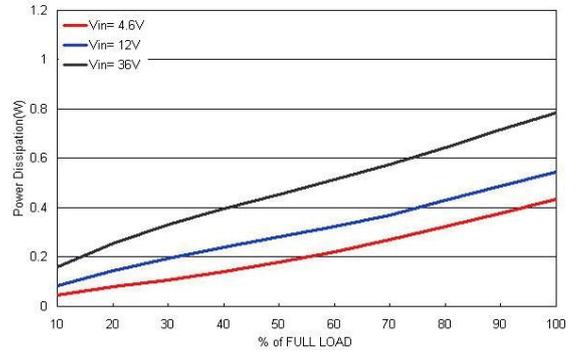


### TSRN 1-2418 (positive Output voltage)

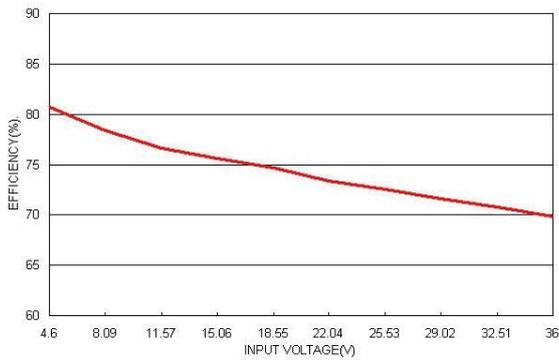
Efficiency vs Output Load



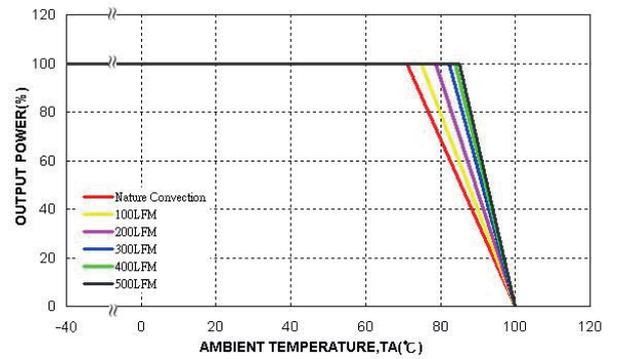
Power Dissipation vs Output Load



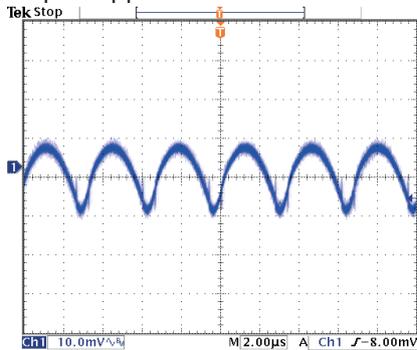
Efficiency vs Input Voltage



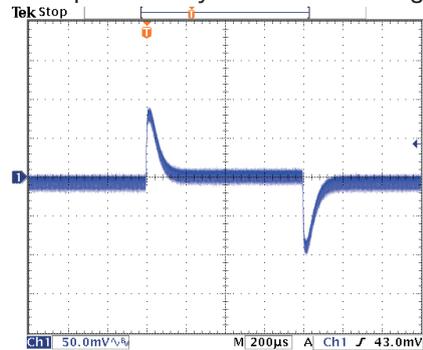
Derating Output Load versus Ambient Temperature



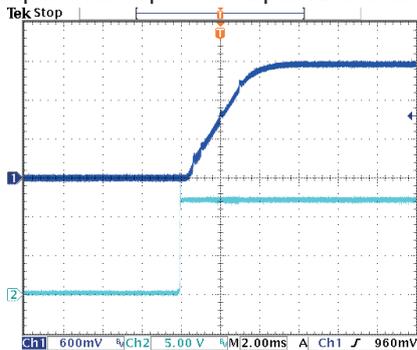
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

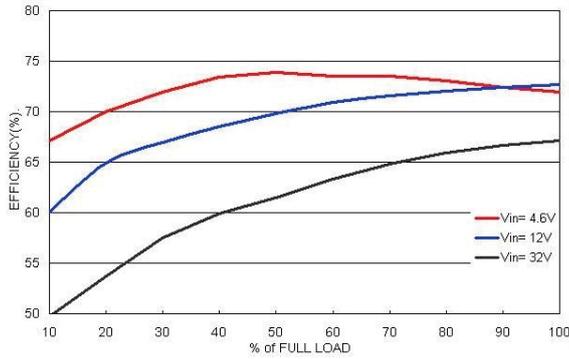


Typical Input Start-Up and Output Rise Characteristic

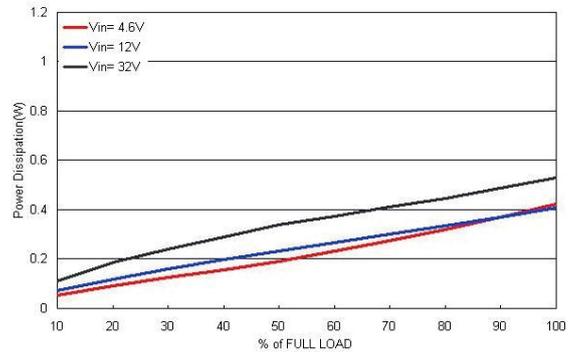


### TSRN 1-2418 (negative Output voltage)

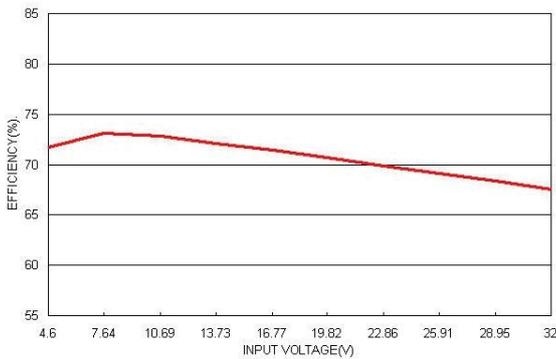
Efficiency vs Output Load



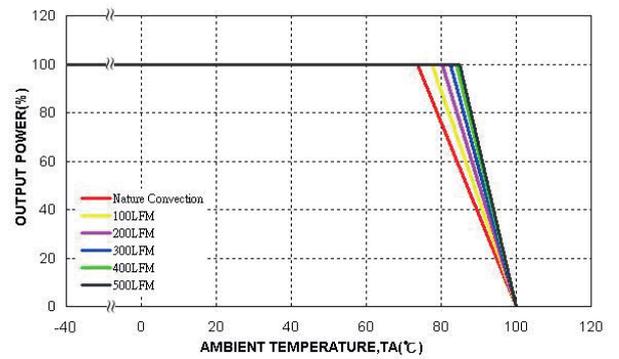
Power Dissipation vs Output Load



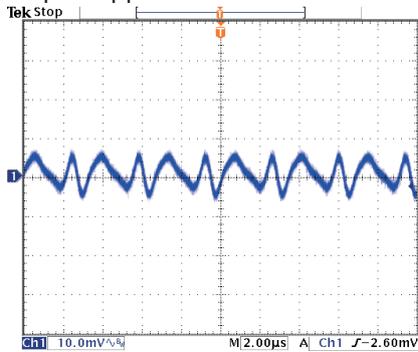
Efficiency vs Input Voltage



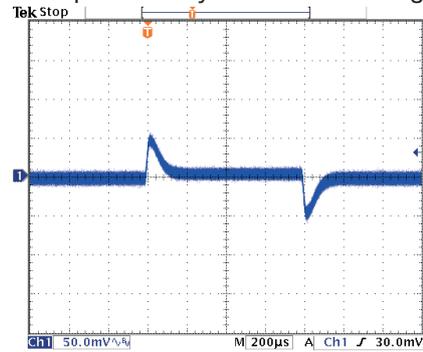
Derating Output Load versus Ambient Temperature



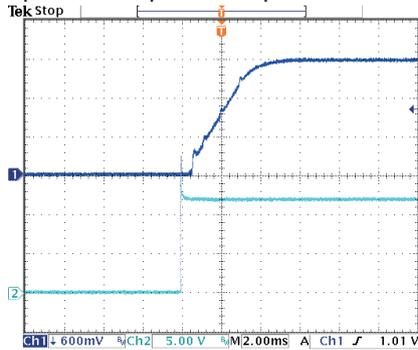
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

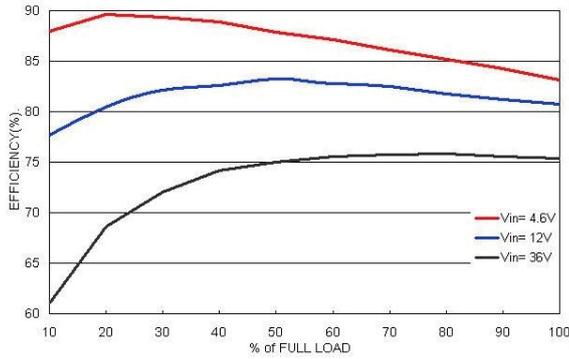


Typical Input Start-Up and Output Rise Characteristic

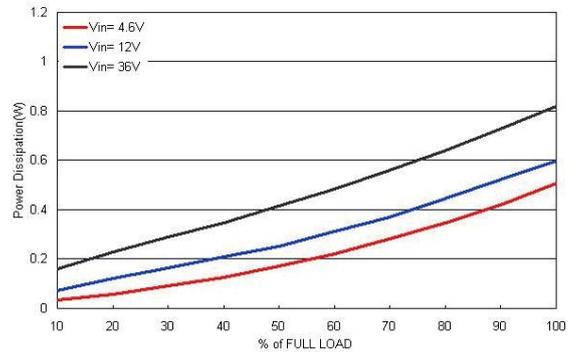


### TSRN 1-2425 (positive Output voltage)

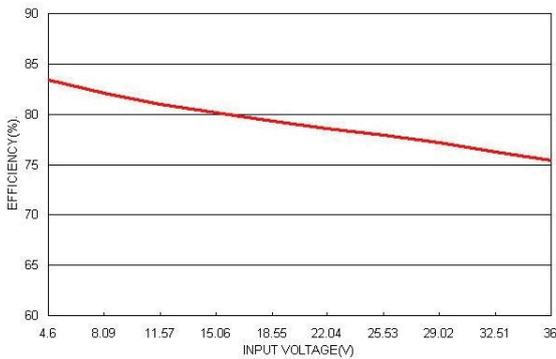
Efficiency vs Output Load



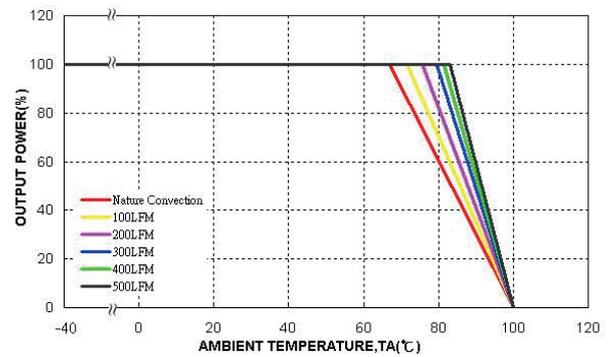
Power Dissipation vs Output Load



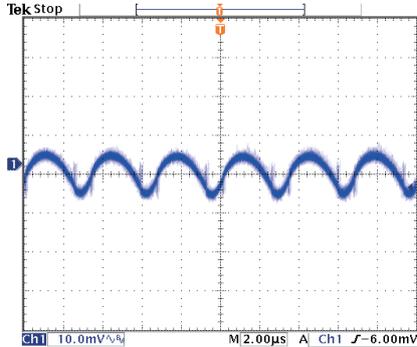
Efficiency vs Input Voltage



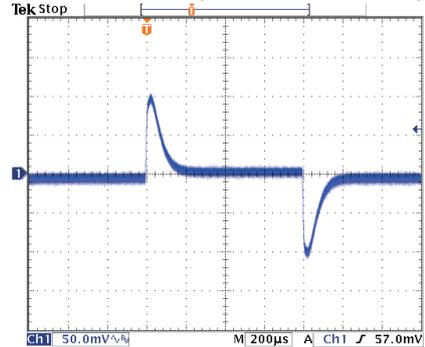
Derating Output Load versus Ambient Temperature



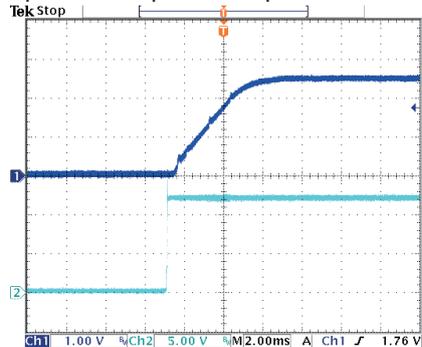
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

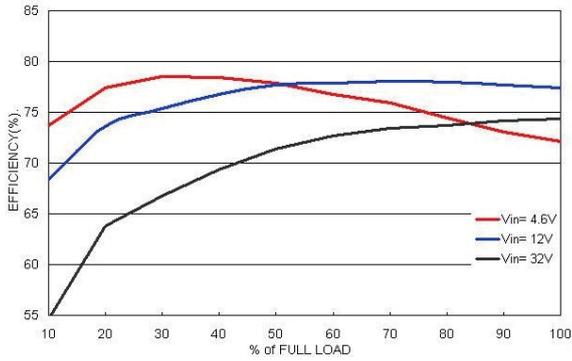


Typical Input Start-Up and Output Rise Characteristic

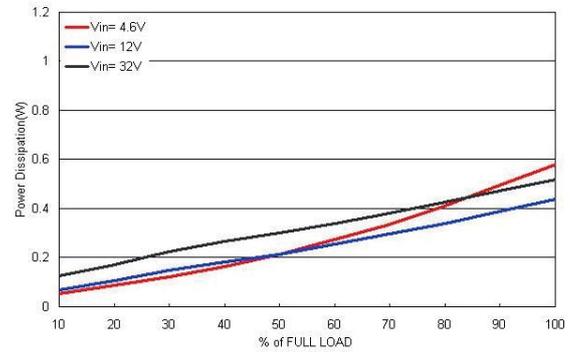


### TSRN 1-2425 (negative Output voltage)

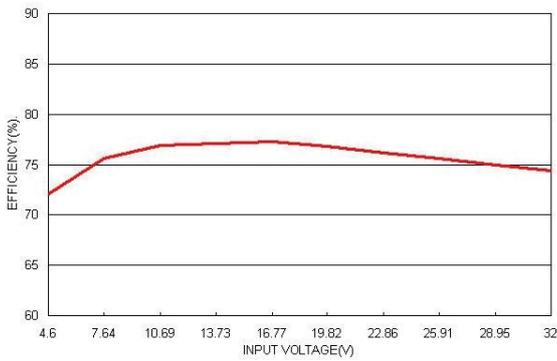
Efficiency vs Output Load



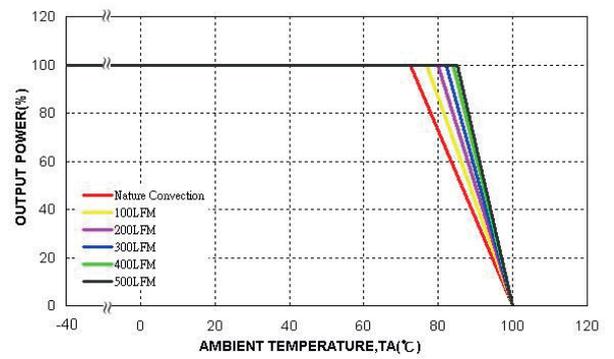
Power Dissipation vs Output Load



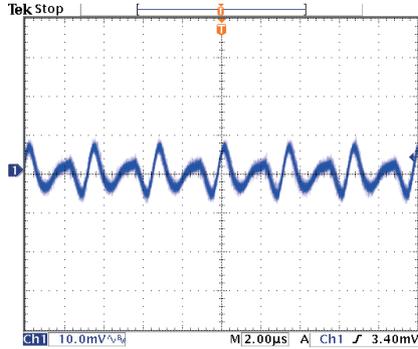
Efficiency vs Input Voltage



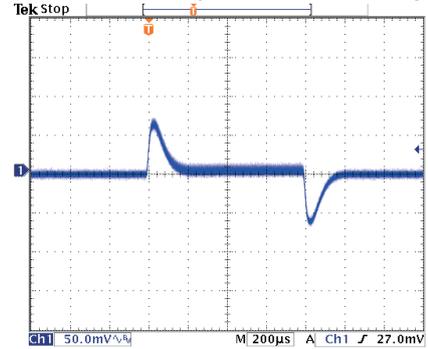
Derating Output Load versus Ambient Temperature



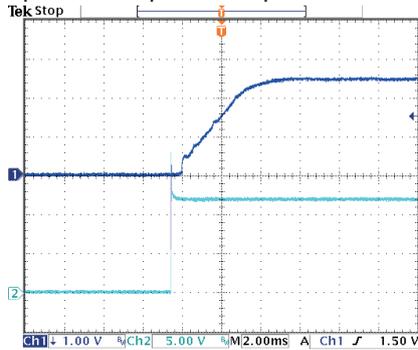
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

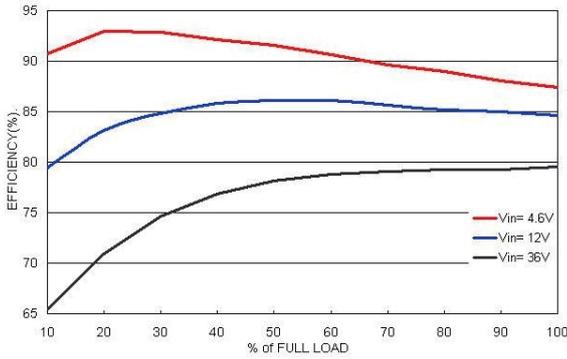


Typical Input Start-Up and Output Rise Characteristic

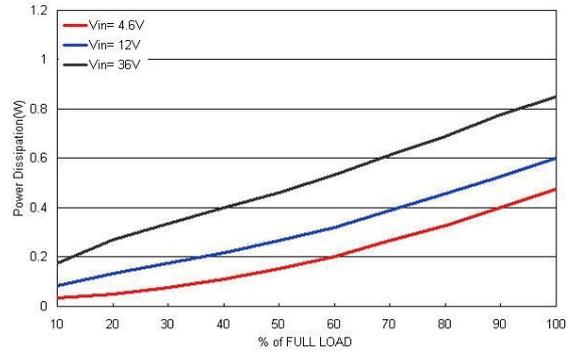


### TSRN 1-2433 (positive Output voltage)

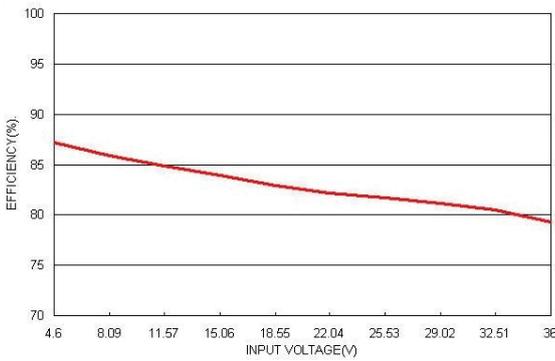
Efficiency vs Output Load



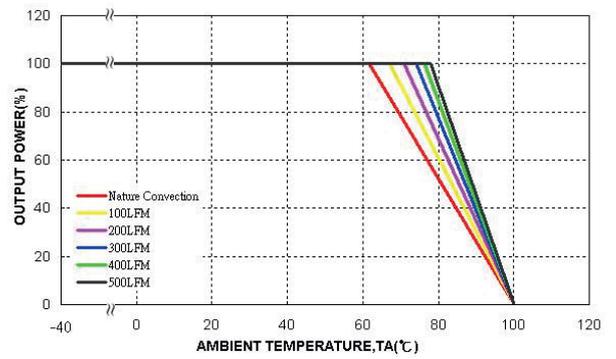
Power Dissipation vs Output Load



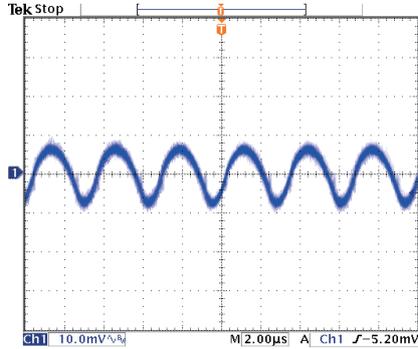
Efficiency vs Input Voltage



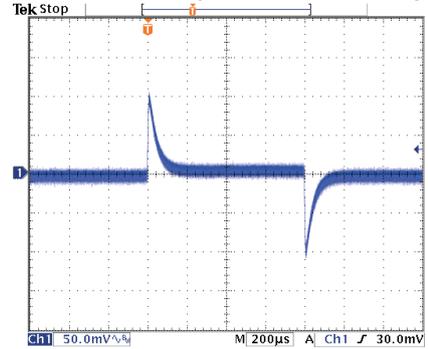
Derating Output Load versus Ambient Temperature



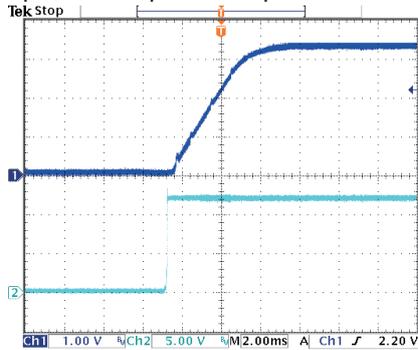
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

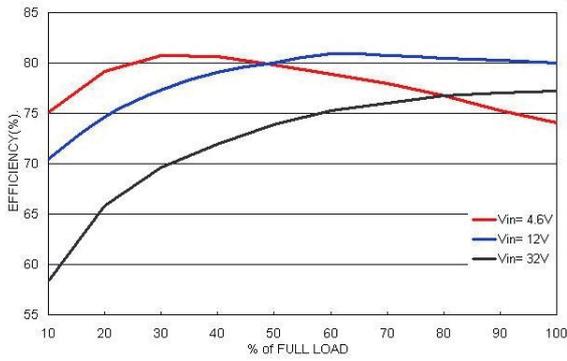


Typical Input Start-Up and Output Rise Characteristic

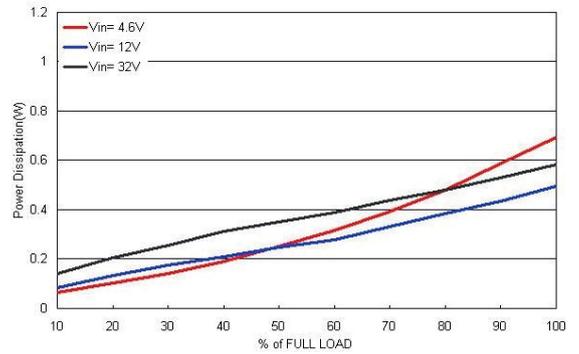


### TSRN 1-2433 (negative Output voltage)

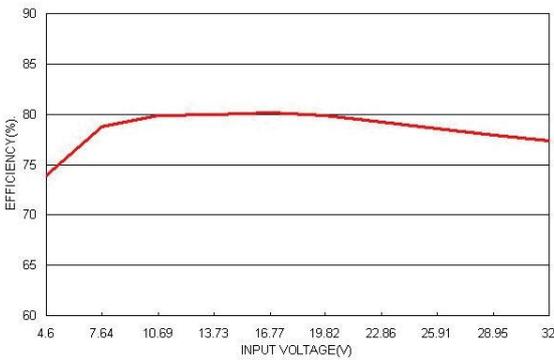
Efficiency vs Output Load



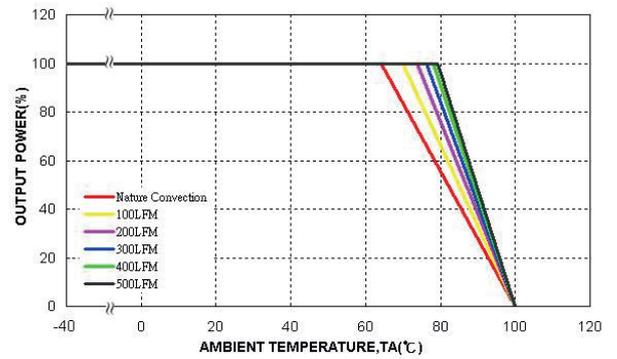
Power Dissipation vs Output Load



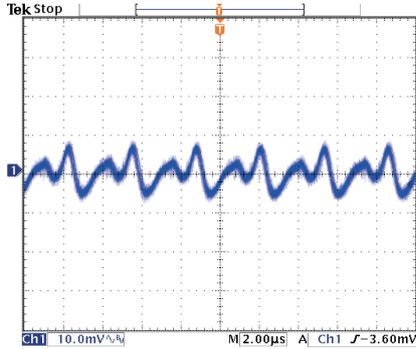
Efficiency vs Input Voltage



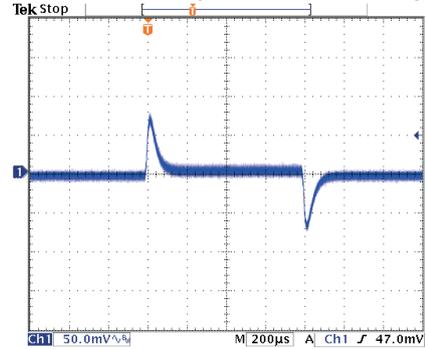
Derating Output Load versus Ambient Temperature



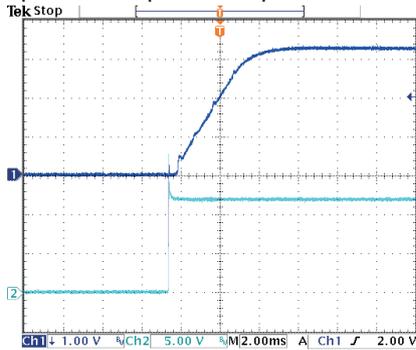
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

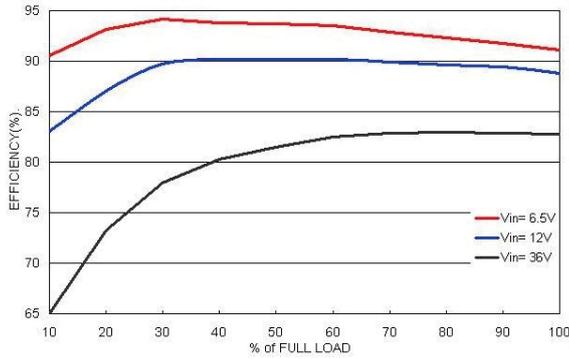


Typical Input Start-Up and Output Rise Characteristic

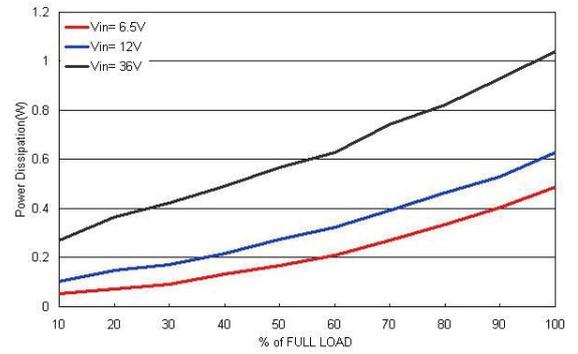


### TSRN 1-2450 (positive Output voltage)

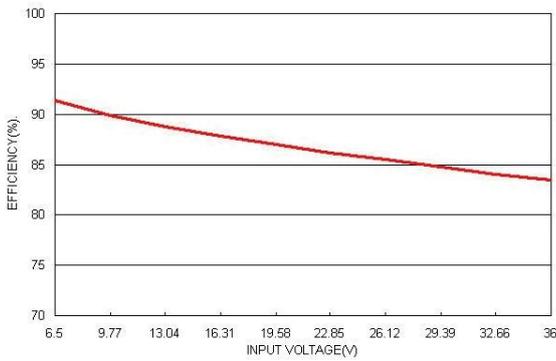
Efficiency vs Output Load



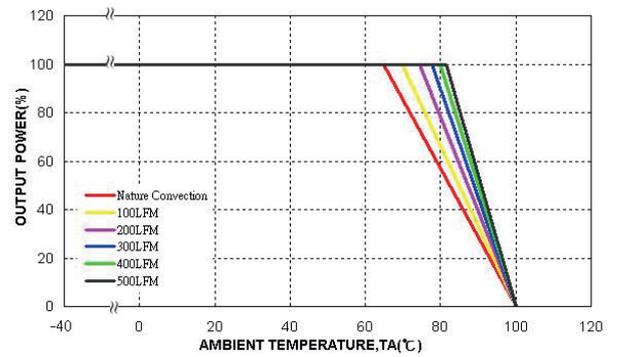
Power Dissipation vs Output Load



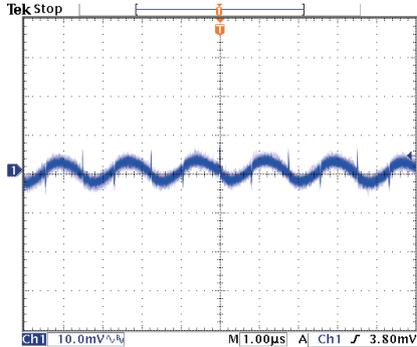
Efficiency vs Input Voltage



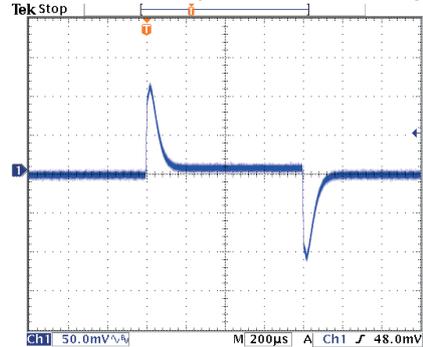
Derating Output Load versus Ambient Temperature



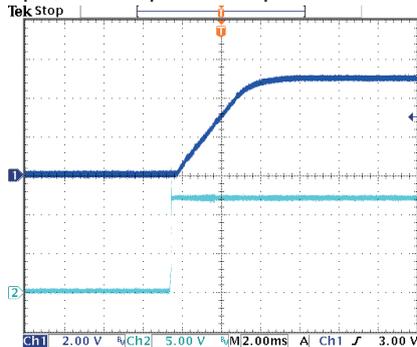
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

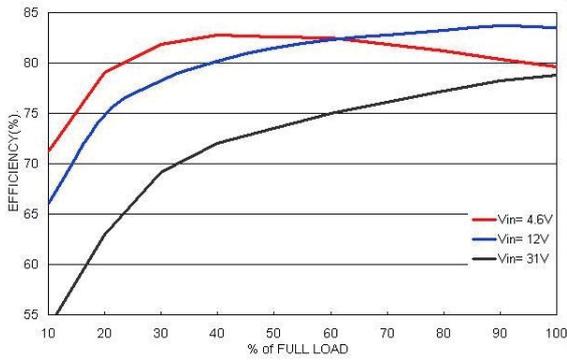


Typical Input Start-Up and Output Rise Characteristic

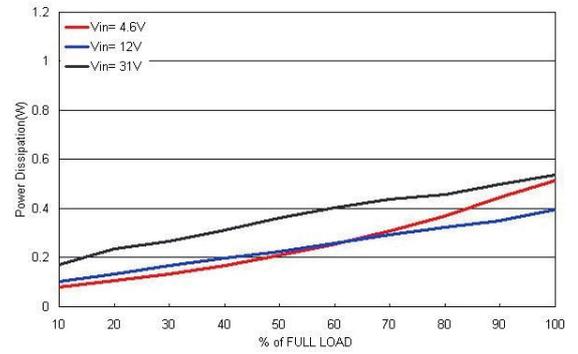


### TSRN 1-2450 (negative Output voltage)

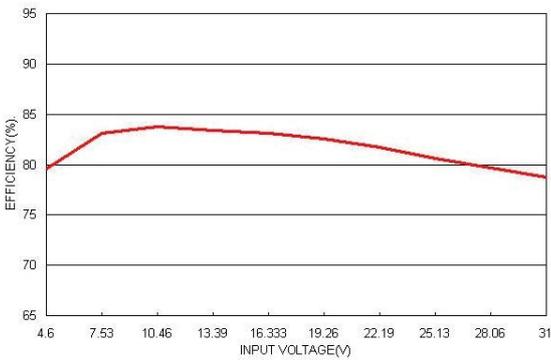
Efficiency vs Output Load



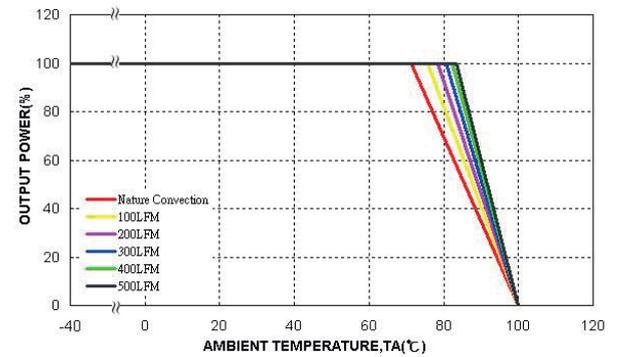
Power Dissipation vs Output Load



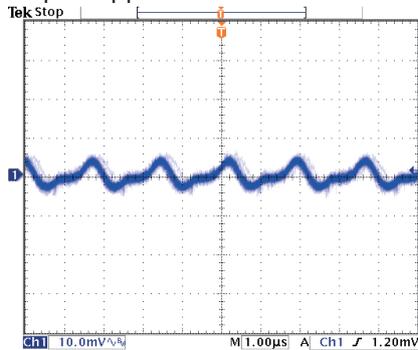
Efficiency vs Input Voltage



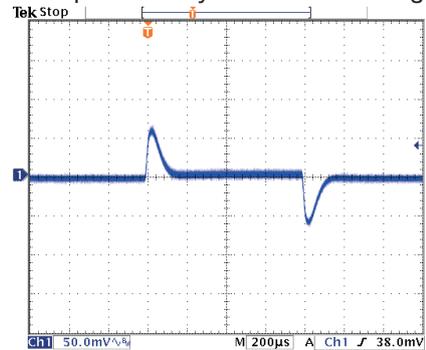
Derating Output Load versus Ambient Temperature



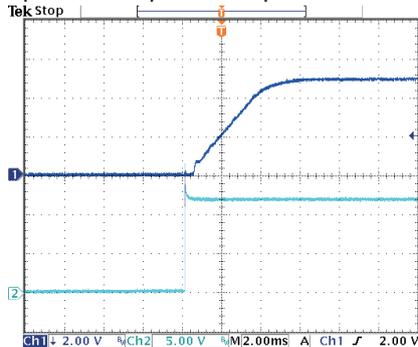
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

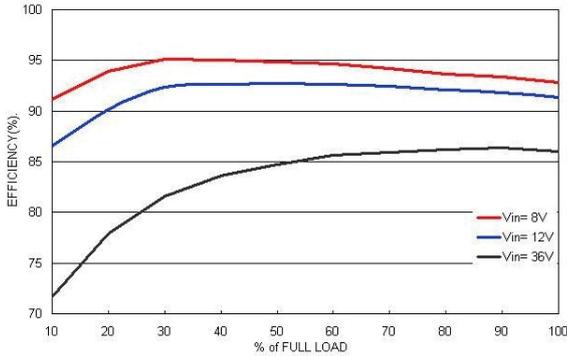


Typical Input Start-Up and Output Rise Characteristic

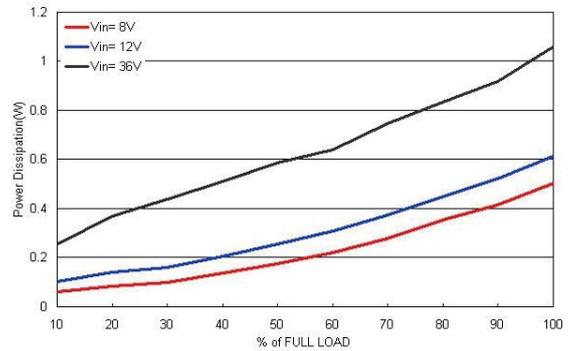


### TSRN 1-2465 (positive Output voltage)

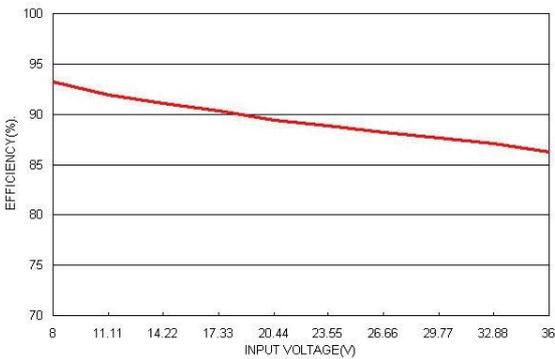
Efficiency vs Output Load



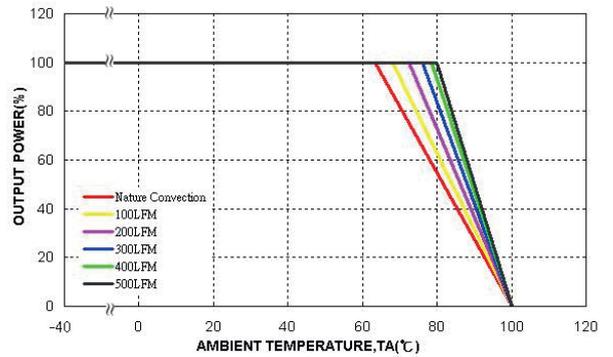
Power Dissipation vs Output Load



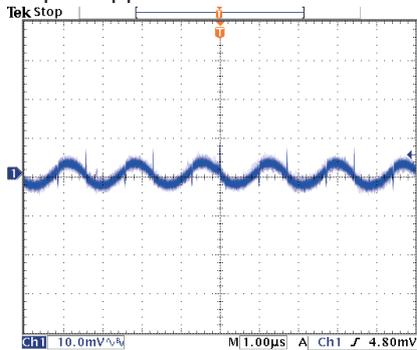
Efficiency vs Input Voltage



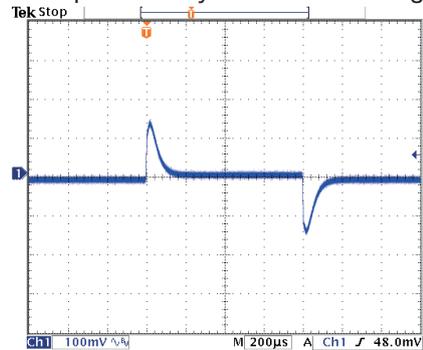
Derating Output Load versus Ambient Temperature



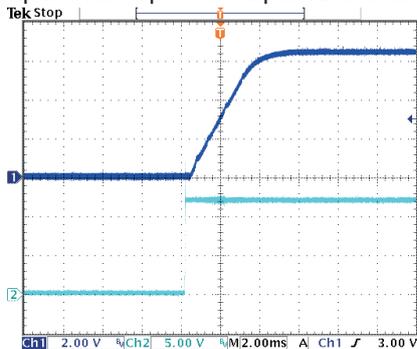
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

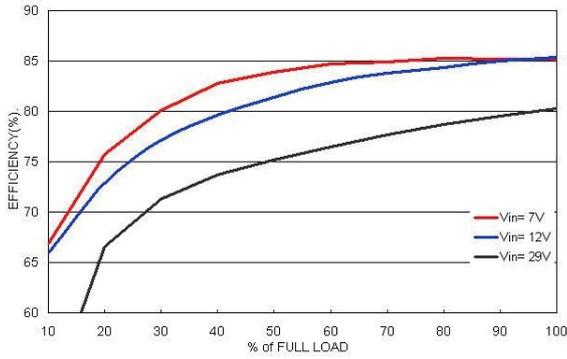


Typical Input Start-Up and Output Rise Characteristic

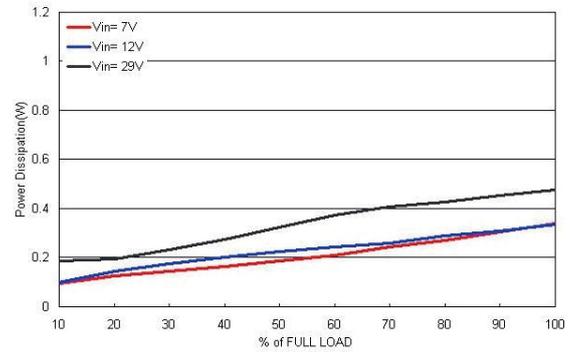


### TSRN 1-2465 (negative Output voltage)

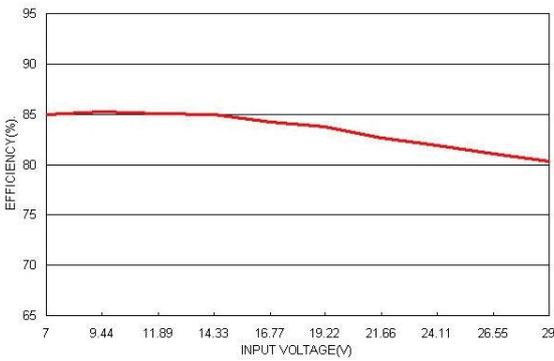
Efficiency vs Output Load



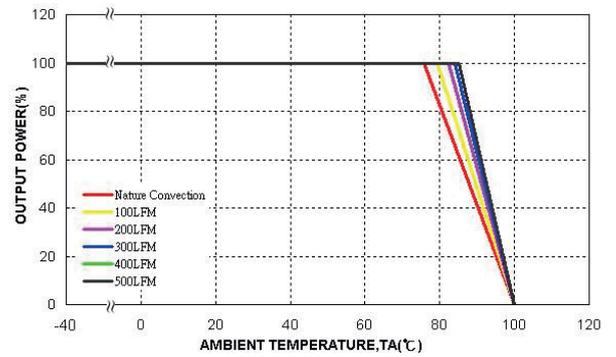
Power Dissipation vs Output Load



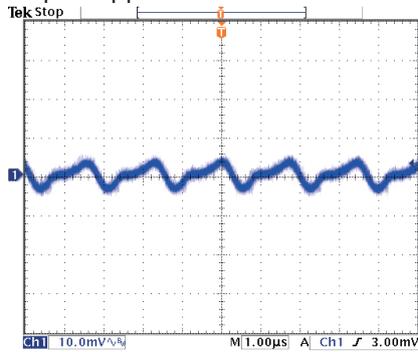
Efficiency vs Input Voltage



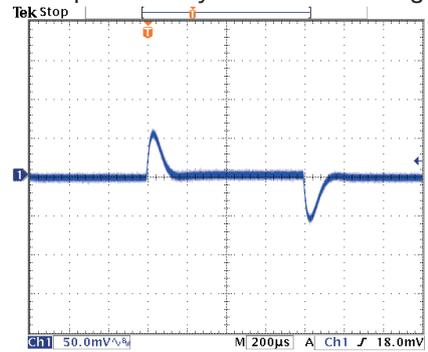
Derating Output Load versus Ambient Temperature



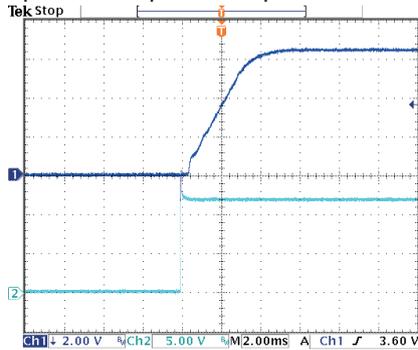
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

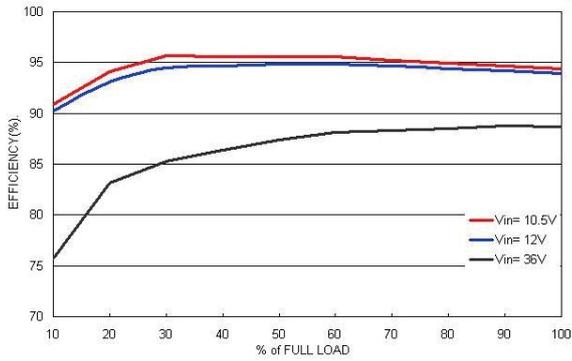


Typical Input Start-Up and Output Rise Characteristic

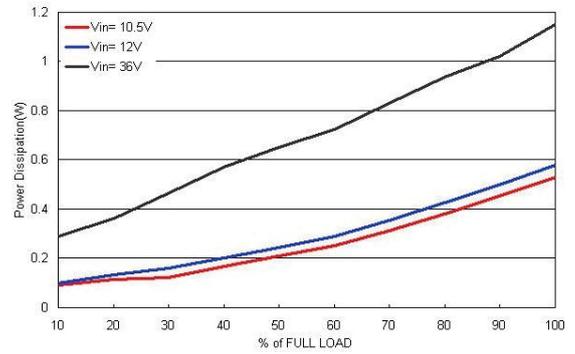


### TSRN 1-2490 (positive Output voltage)

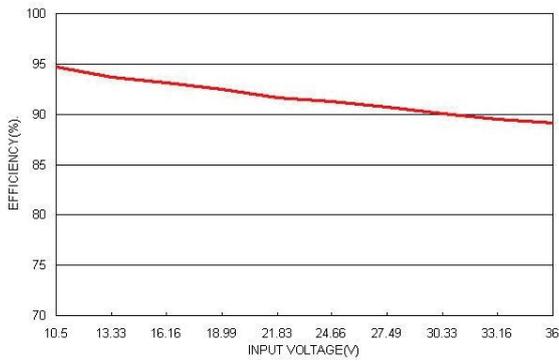
Efficiency vs Output Load



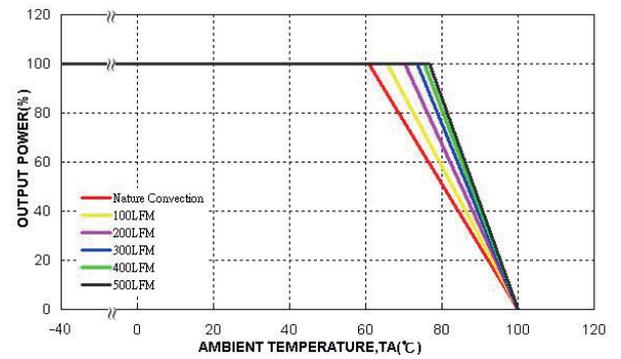
Power Dissipation vs Output Load



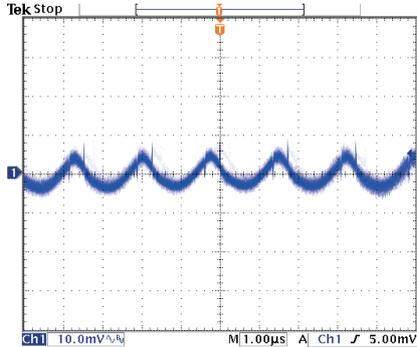
Efficiency vs Input Voltage



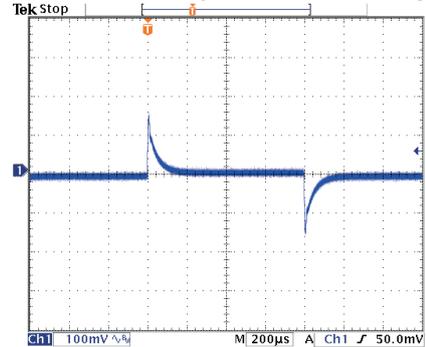
Derating Output Load versus Ambient Temperature



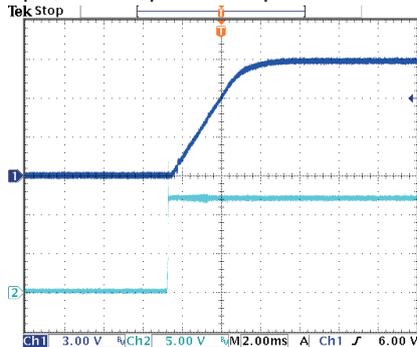
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

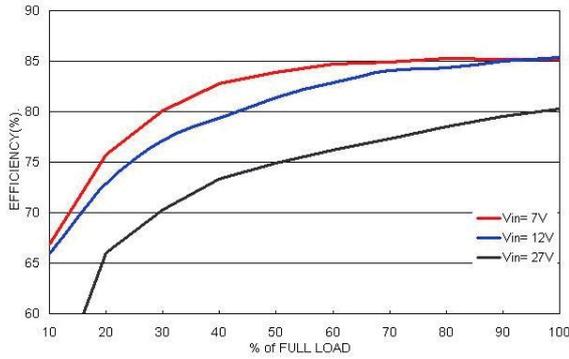


Typical Input Start-Up and Output Rise Characteristic

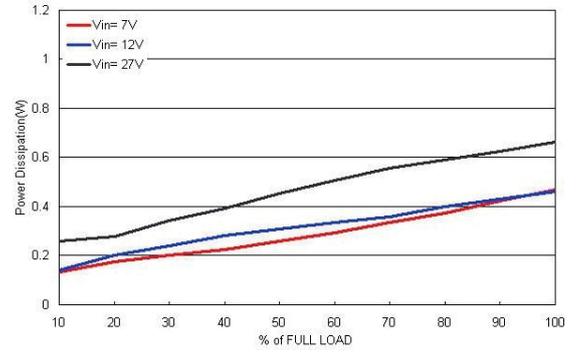


### TSRN 1-2490 (negative Output voltage)

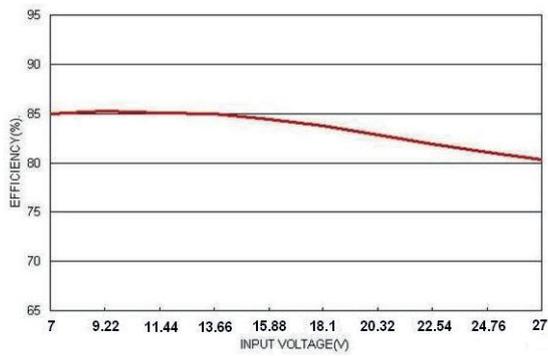
Efficiency vs Output Load



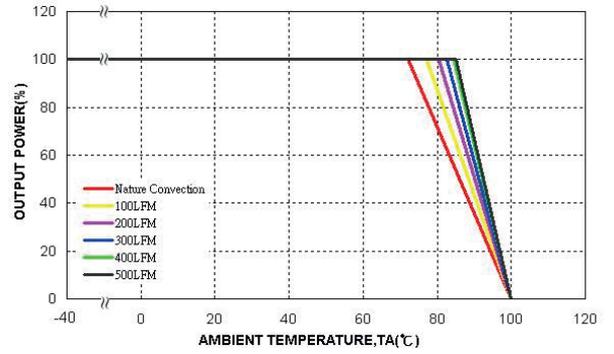
Power Dissipation vs Output Load



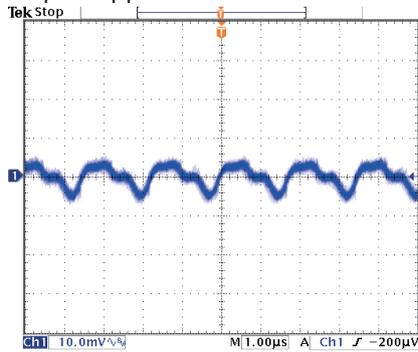
Efficiency vs Input Voltage



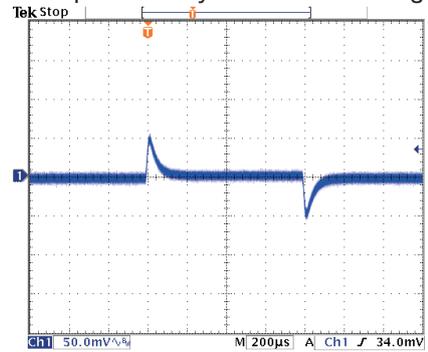
Derating Output Load versus Ambient Temperature



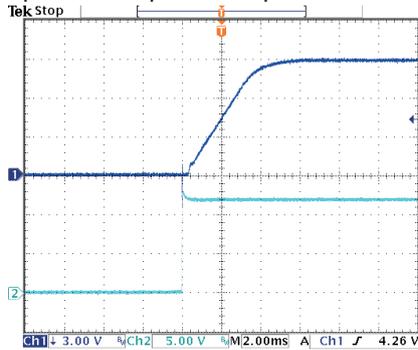
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

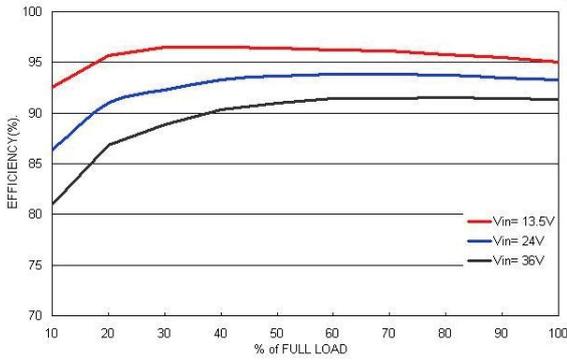


Typical Input Start-Up and Output Rise Characteristic

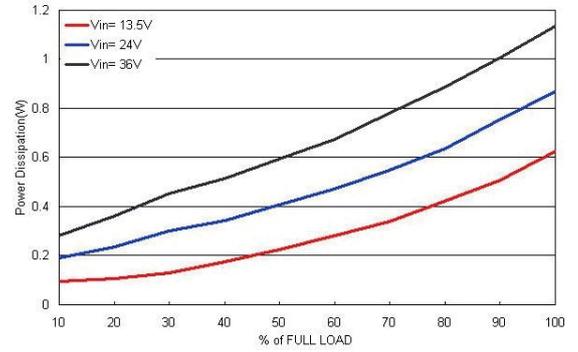


### TSRN 1-24120 (positive Output voltage)

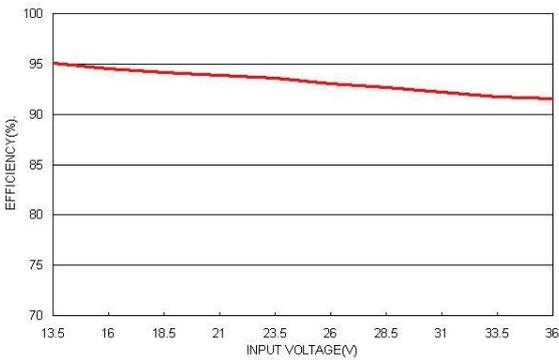
Efficiency vs Output Load



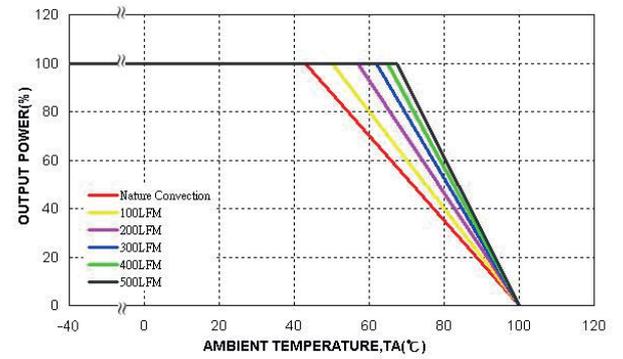
Power Dissipation vs Output Load



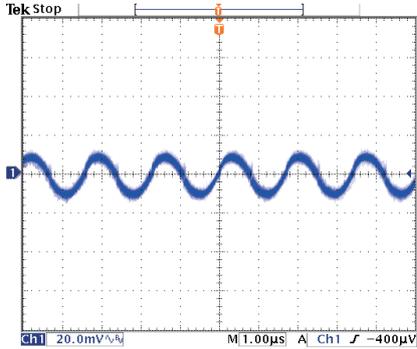
Efficiency vs Input Voltage



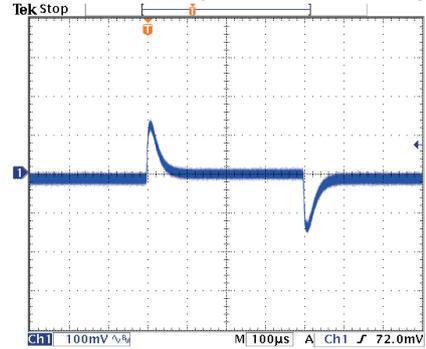
Derating Output Load versus Ambient Temperature



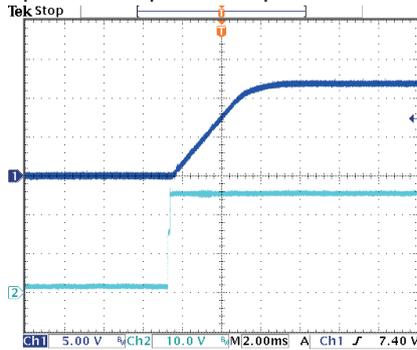
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

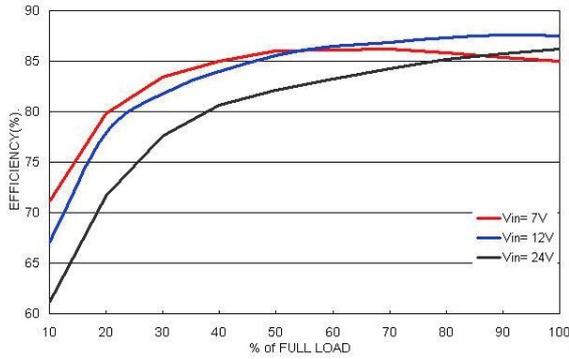


Typical Input Start-Up and Output Rise Characteristic

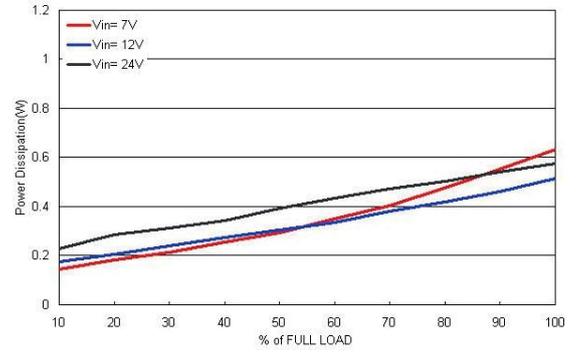


### TSRN 1-24120 (negative Output voltage)

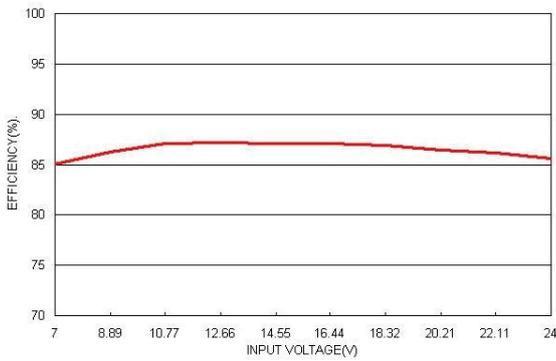
Efficiency vs Output Load



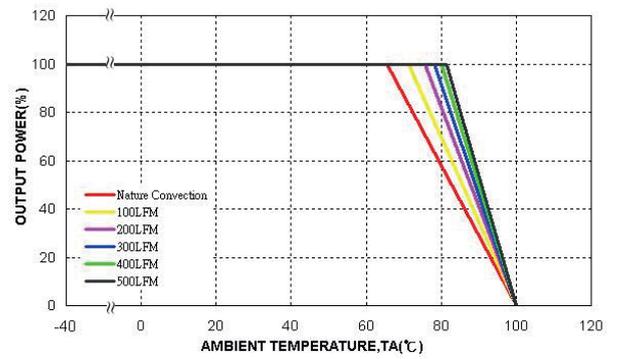
Power Dissipation vs Output Load



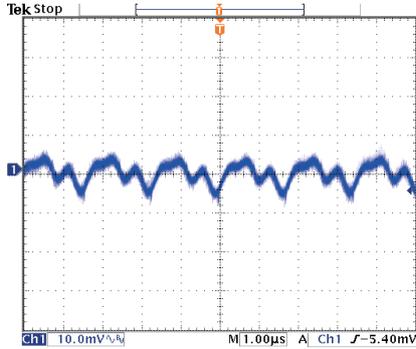
Efficiency vs Input Voltage



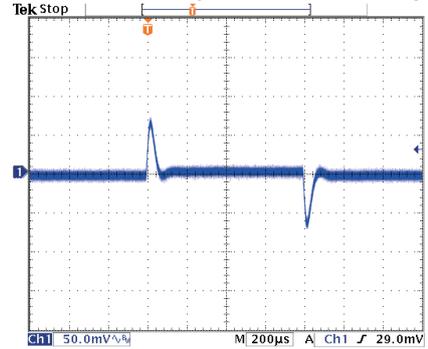
Derating Output Load versus Ambient Temperature



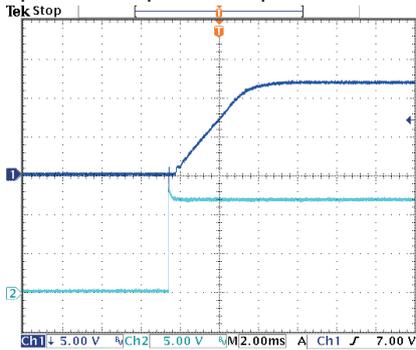
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

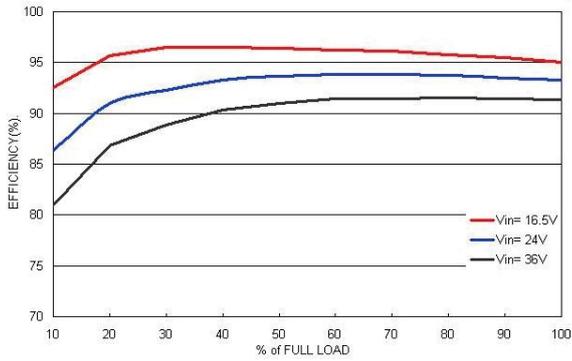


Typical Input Start-Up and Output Rise Characteristic

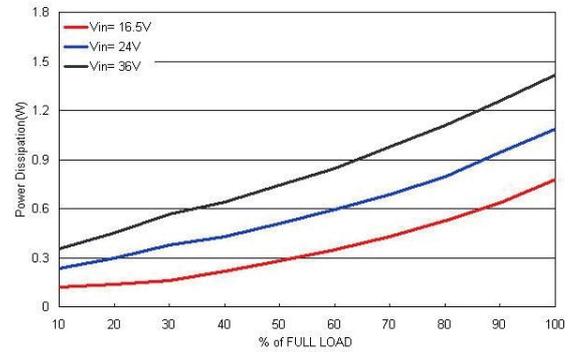


### TSRN 1-24150 (positive Output voltage)

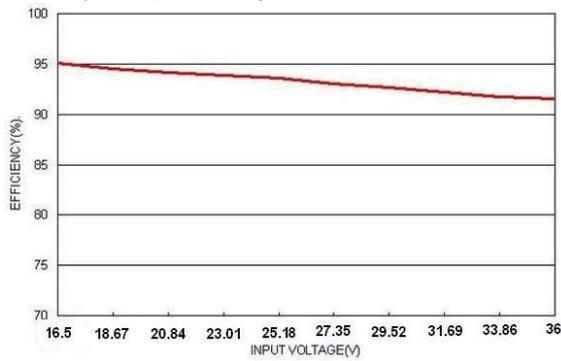
Efficiency vs Output Load



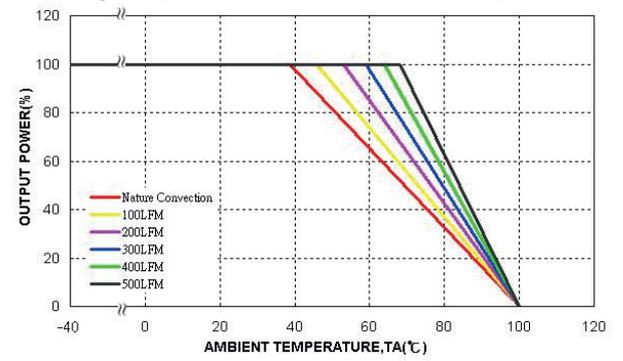
Power Dissipation vs Output Load



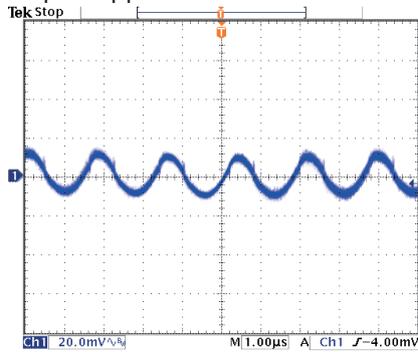
Efficiency vs Input Voltage



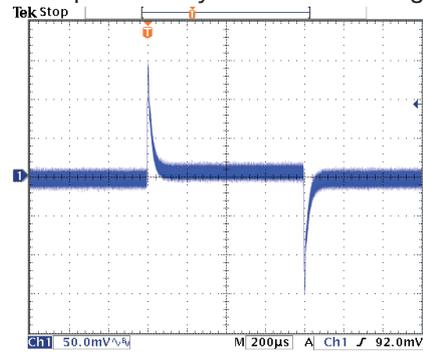
Derating Output Load versus Ambient Temperature



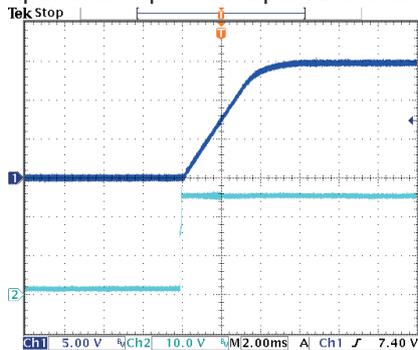
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)

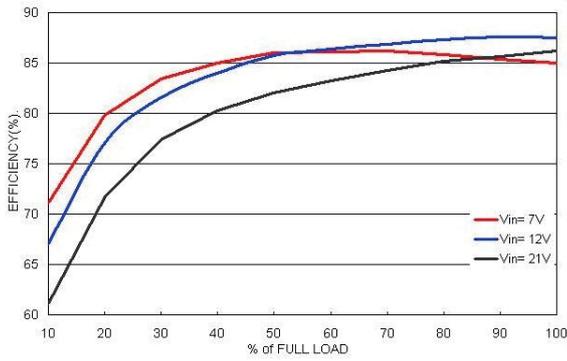


Typical Input Start-Up and Output Rise Characteristic

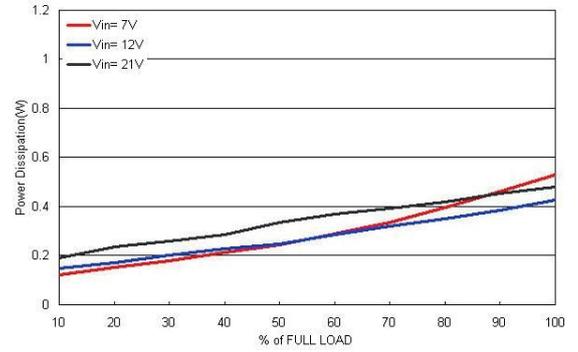


### TSRN 1-24150 (negative Output voltage)

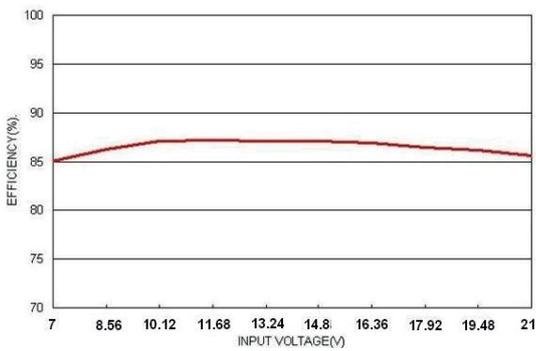
Efficiency vs Output Load



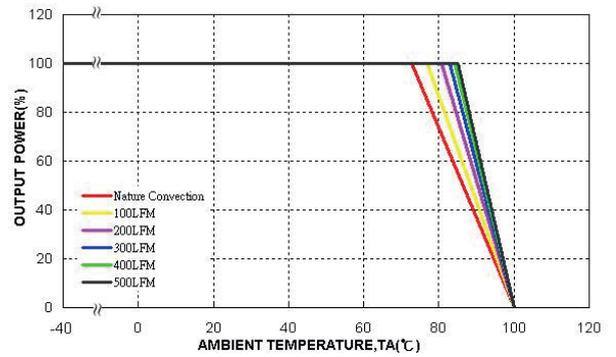
Power Dissipation vs Output Load



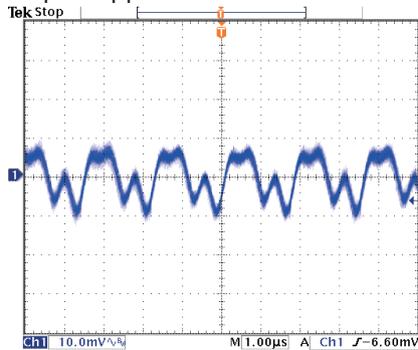
Efficiency vs Input Voltage



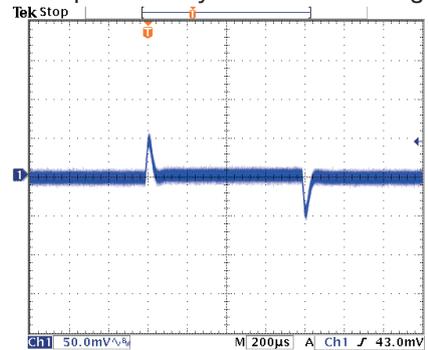
Derating Output Load versus Ambient Temperature



Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (50%)



Typical Input Start-Up and Output Rise Characteristic

