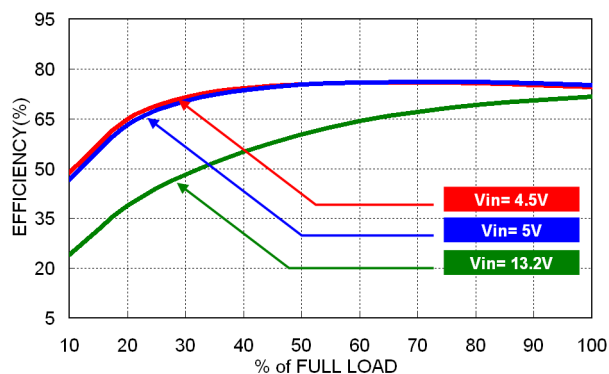


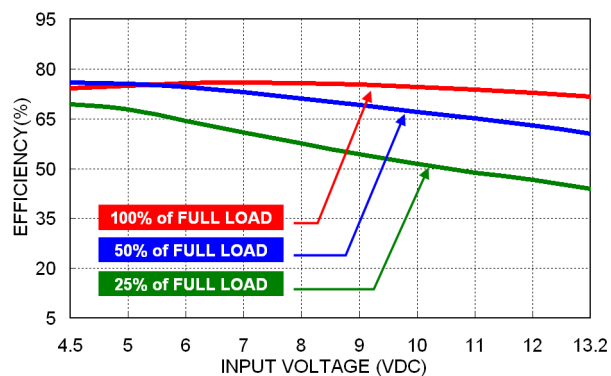
Characteristic Curves

TRN 3-0510(SM)

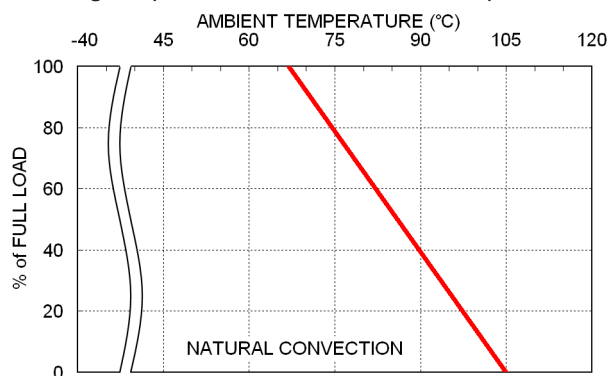
Efficiency versus Output Load



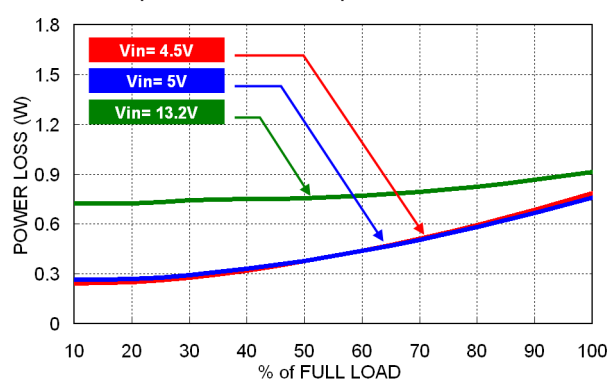
Efficiency versus Input Voltage



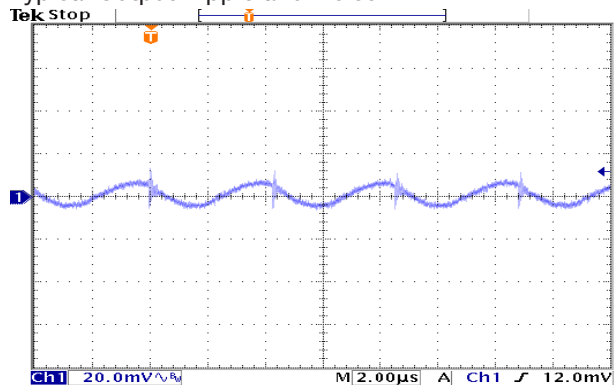
Derating Output Load versus Ambient Temperature



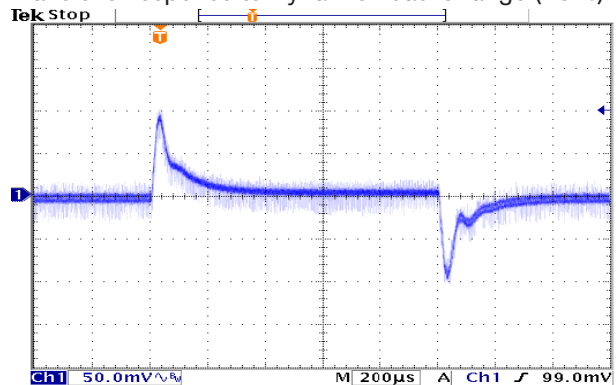
Power Dissipation versus Output Load



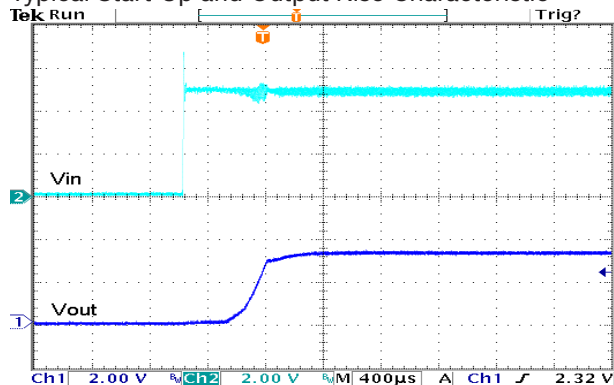
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)

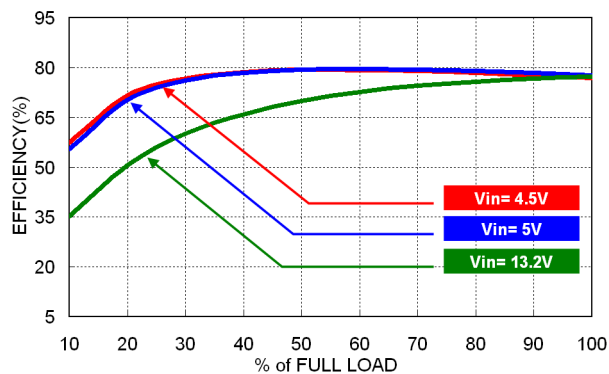


Typical Start-Up and Output Rise Characteristic

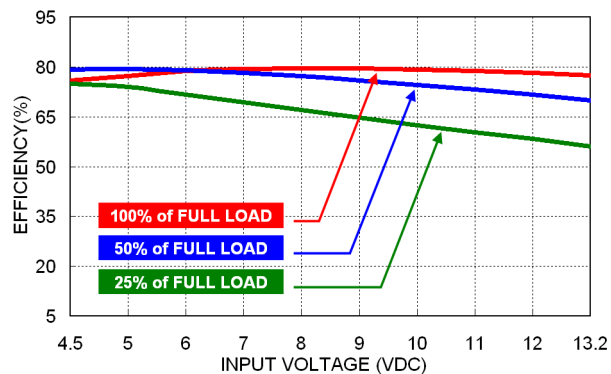


TRN 3-0511(SM)

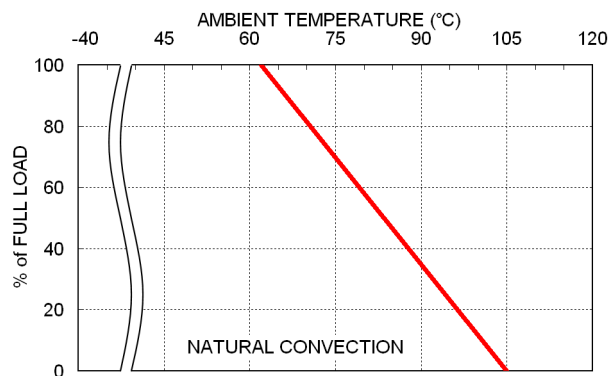
Efficiency versus Output Load



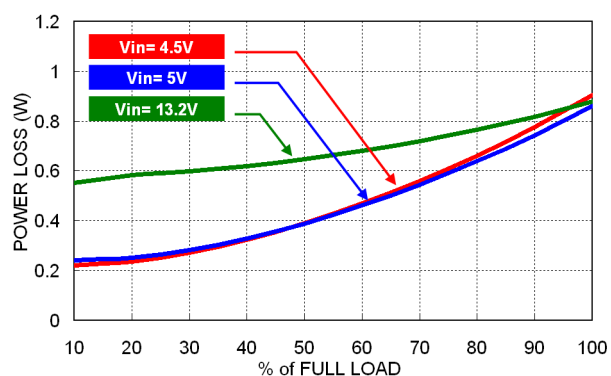
Efficiency versus Input Voltage



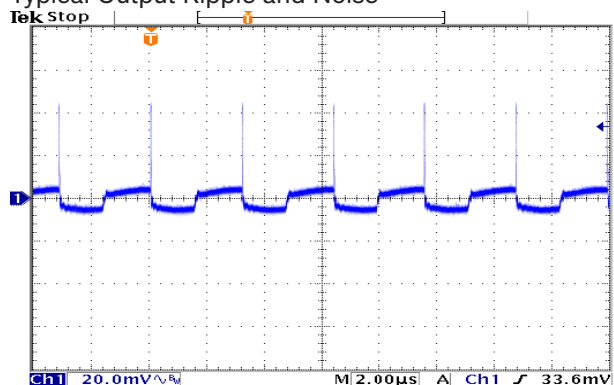
Derating Output Load versus Ambient Temperature



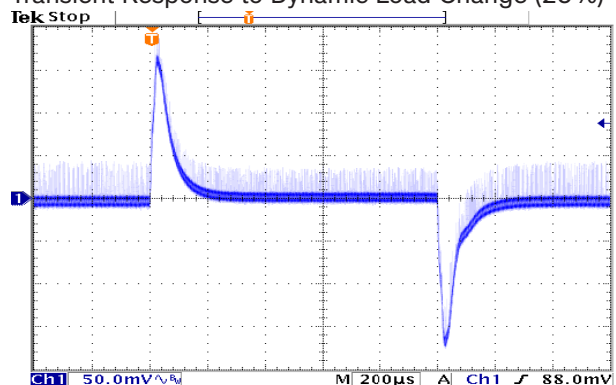
Power Dissipation versus Output Load



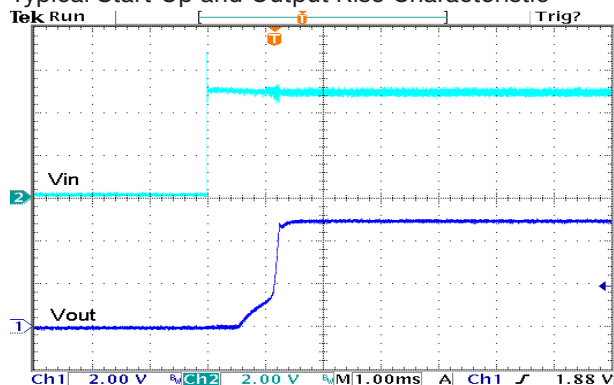
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



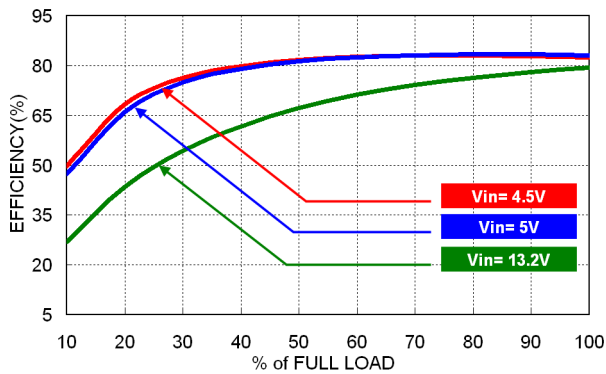
Typical Start-Up and Output Rise Characteristic



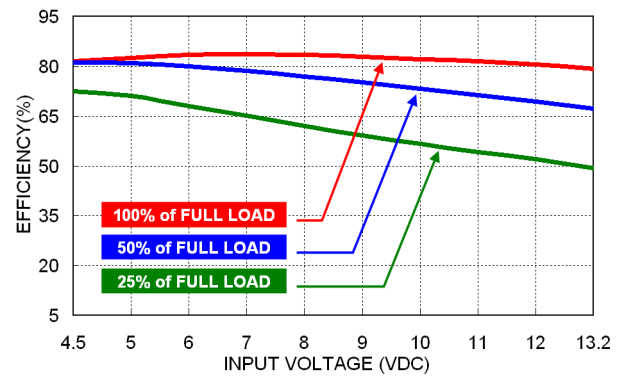
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0512(SM)

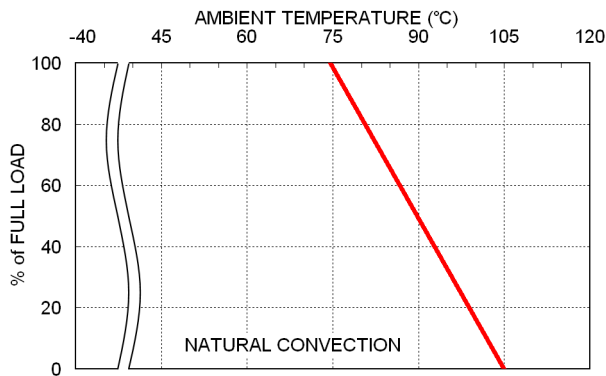
Efficiency versus Output Load



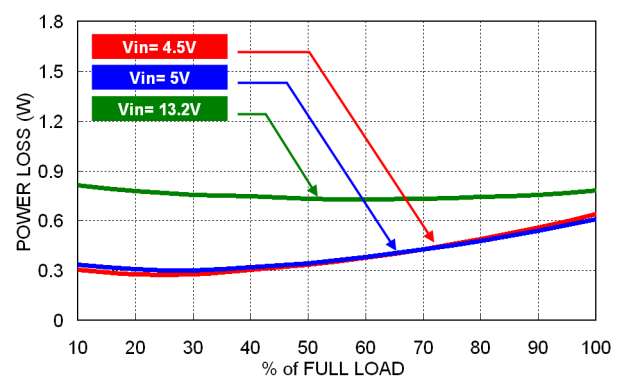
Efficiency versus Input Voltage



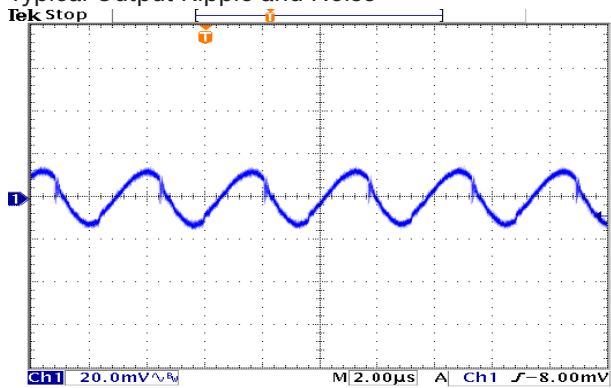
Derating Output Load versus Ambient Temperature



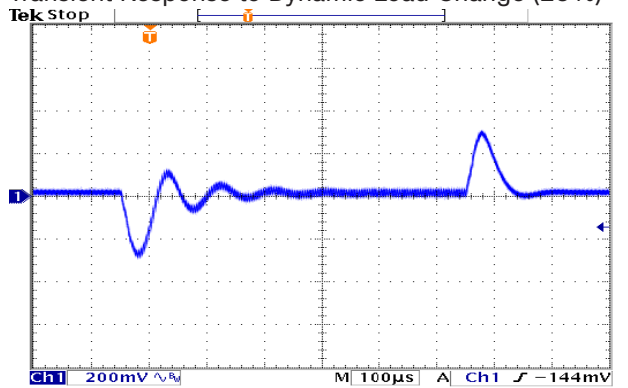
Power Dissipation versus Output Load



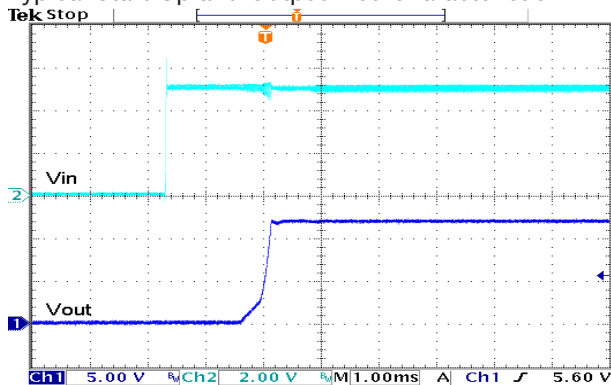
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



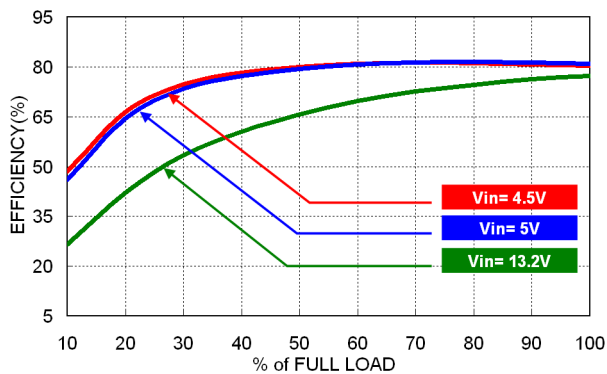
Typical Start-Up and Output Rise Characteristic



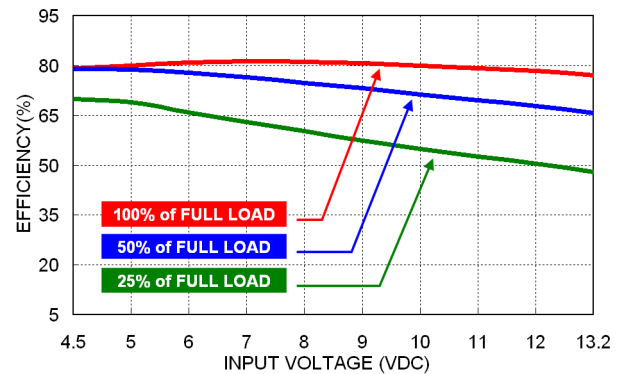
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0513(SM)

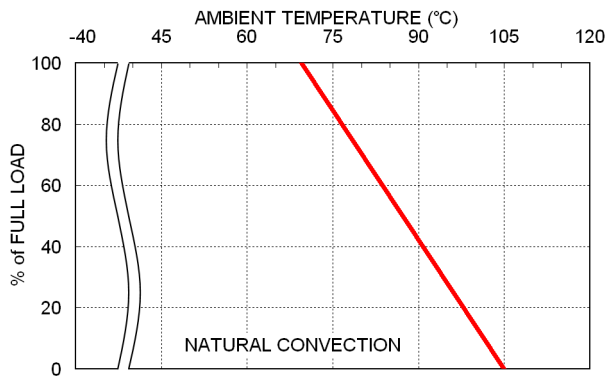
Efficiency versus Output Load



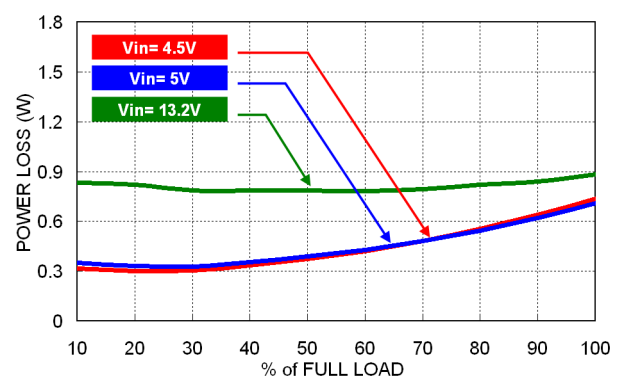
Efficiency versus Input Voltage



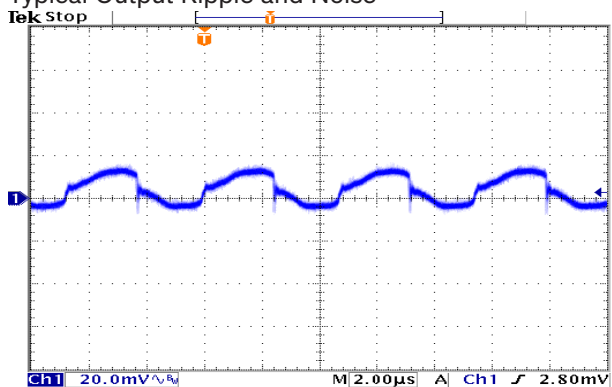
Derating Output Load versus Ambient Temperature



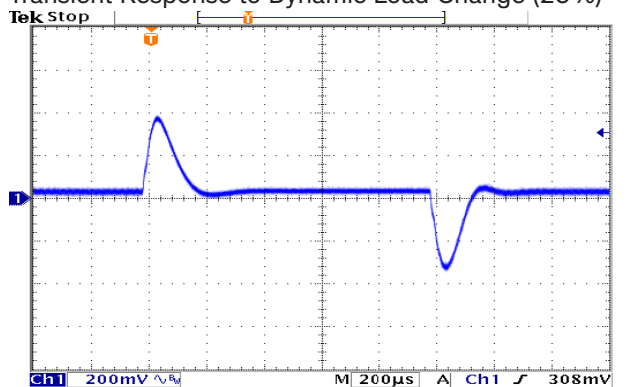
Power Dissipation versus Output Load



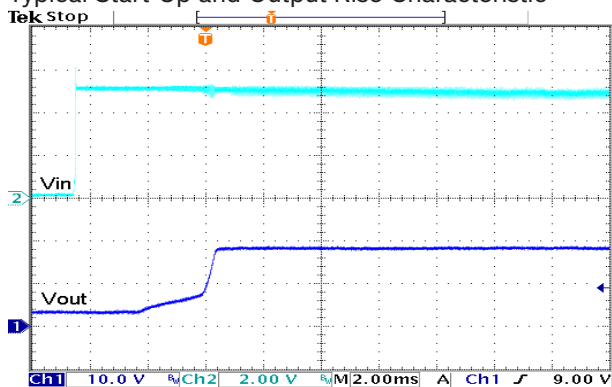
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



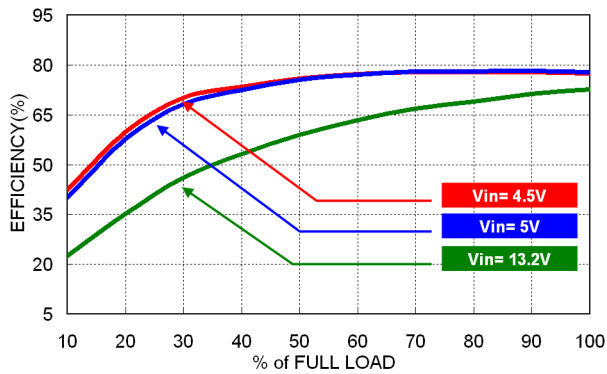
Typical Start-Up and Output Rise Characteristic



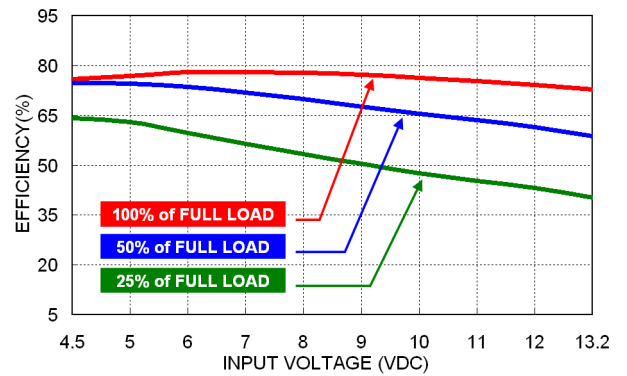
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0515(SM)

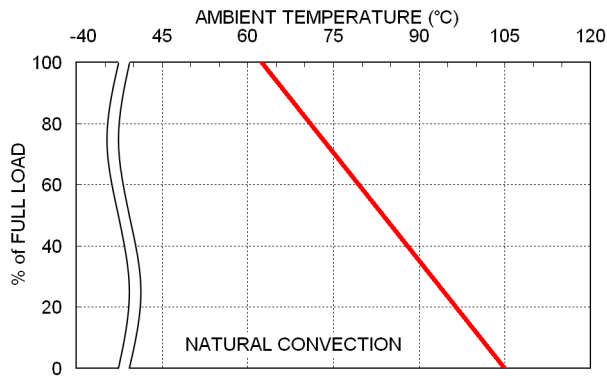
Efficiency versus Output Load



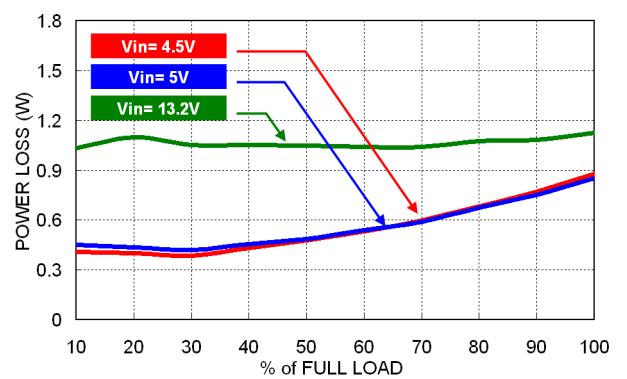
Efficiency versus Input Voltage



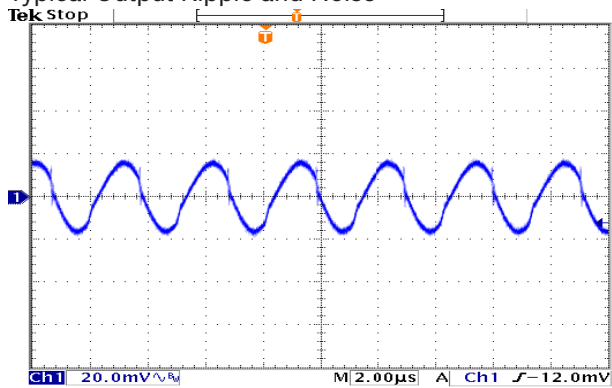
Derating Output Load versus Ambient Temperature



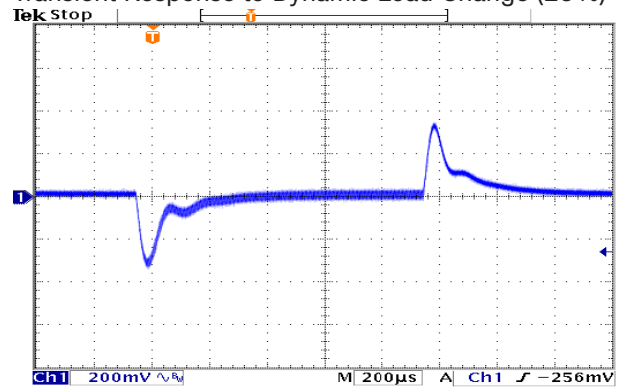
Power Dissipation versus Output Load



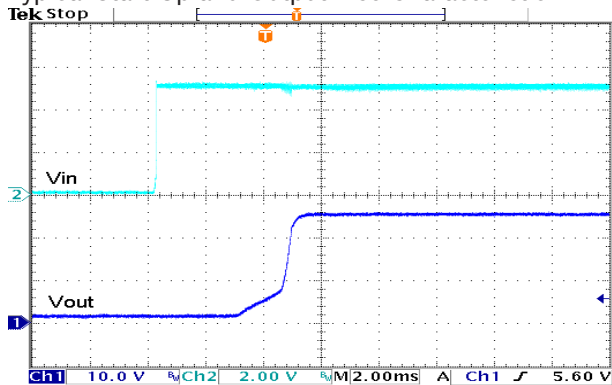
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



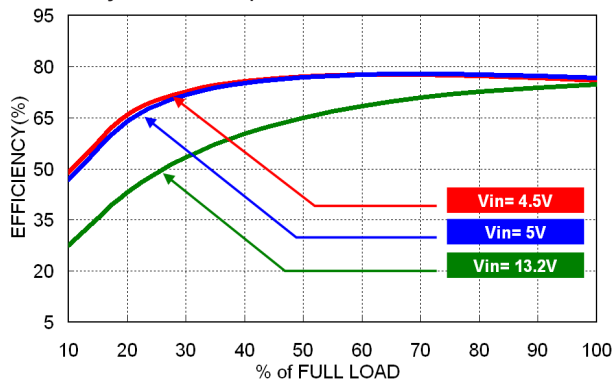
Typical Start-Up and Output Rise Characteristic



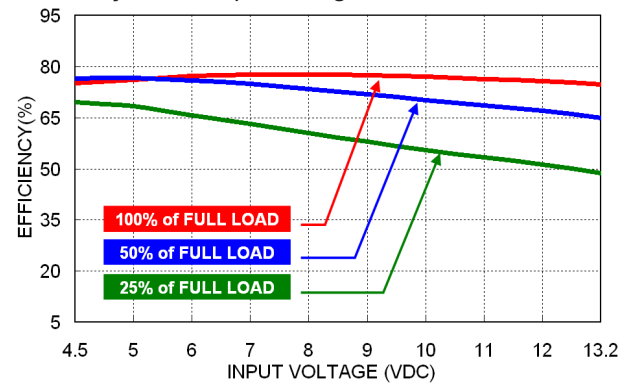
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0521(SM)

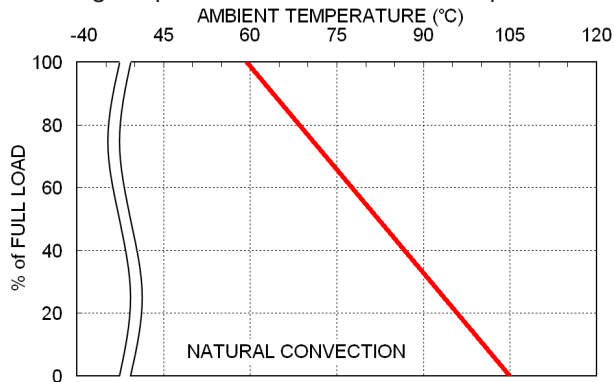
Efficiency versus Output Load



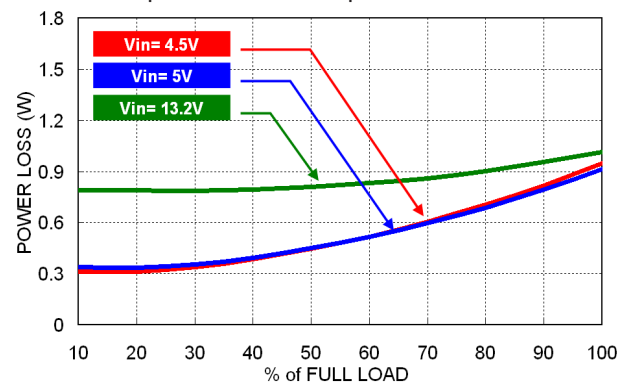
Efficiency versus Input Voltage



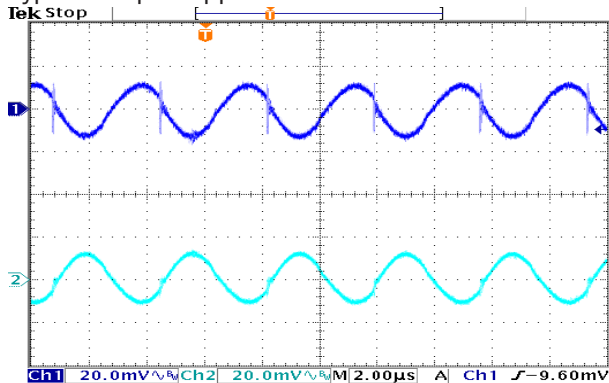
Derating Output Load versus Ambient Temperature



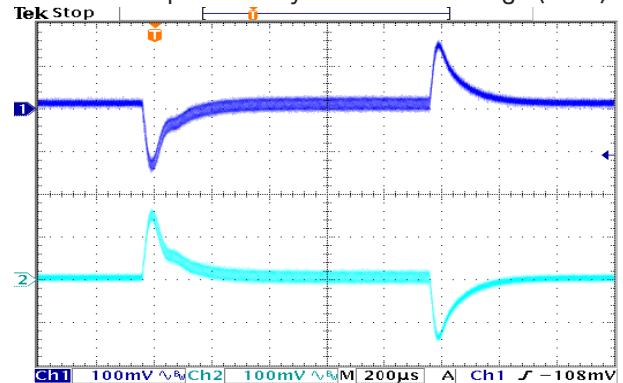
Power Dissipation versus Output Load



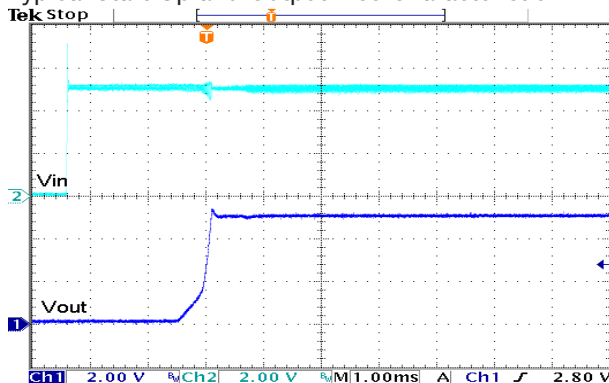
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



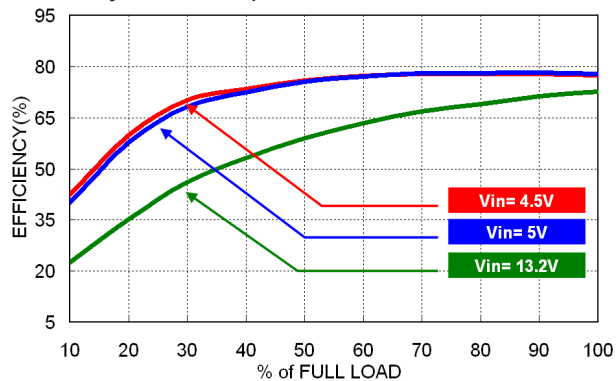
Typical Start-Up and Output Rise Characteristic



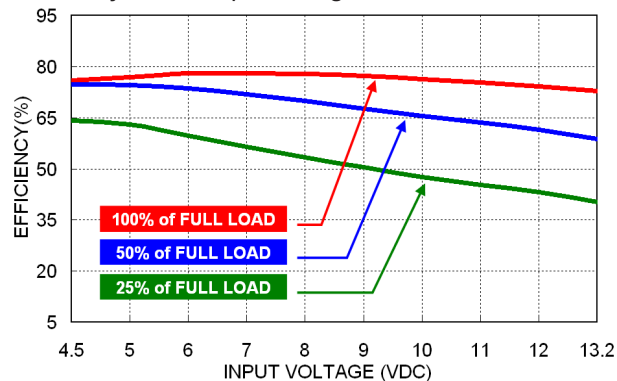
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0522(SM)

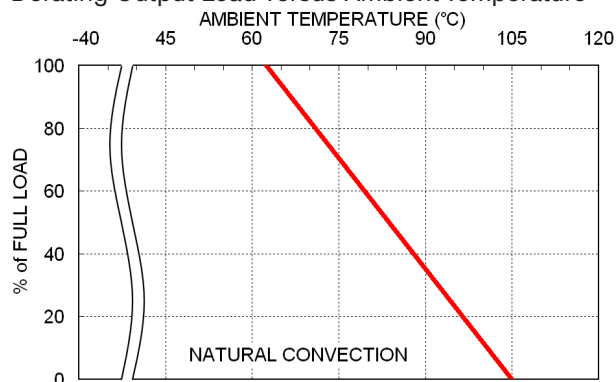
Efficiency versus Output Load



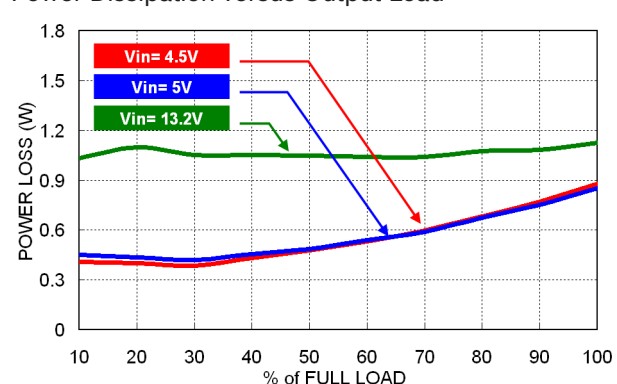
Efficiency versus Input Voltage



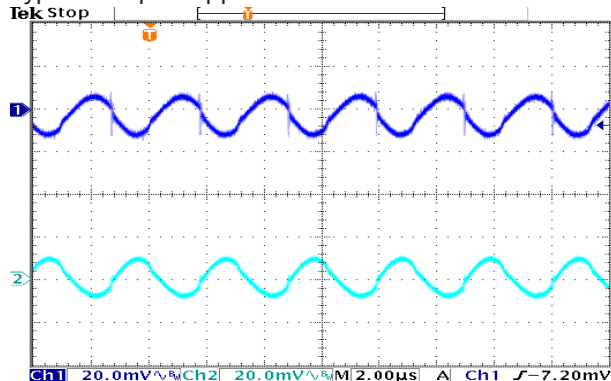
Derating Output Load versus Ambient Temperature



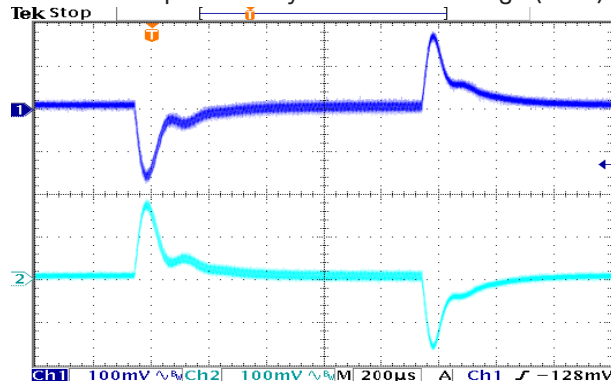
Power Dissipation versus Output Load



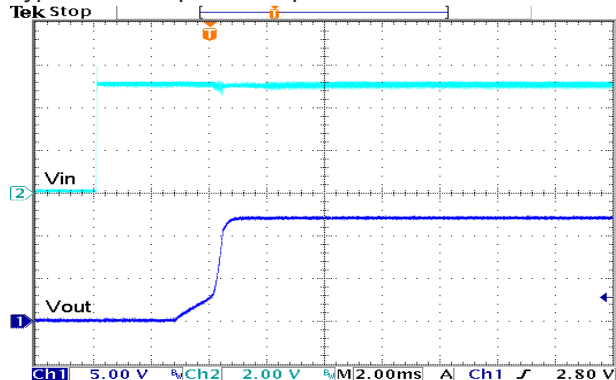
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



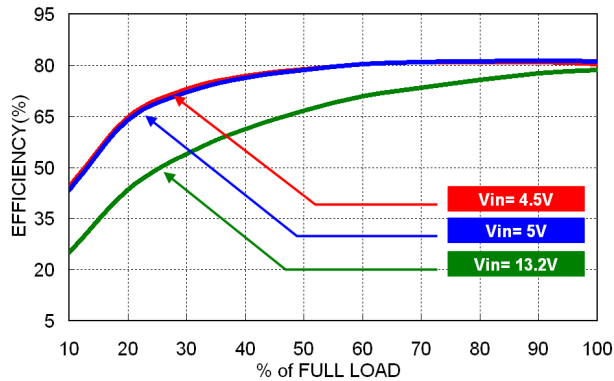
Typical Start-Up and Output Rise Characteristic



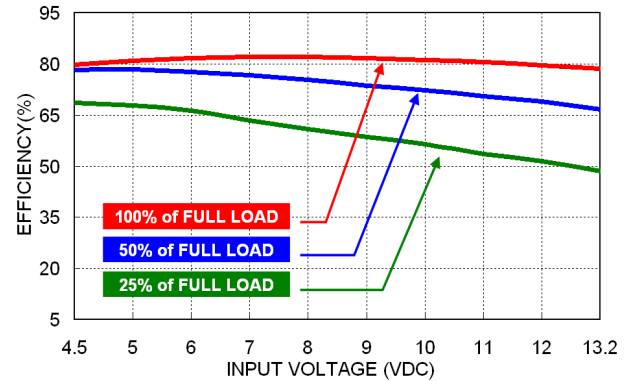
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-0523(SM)

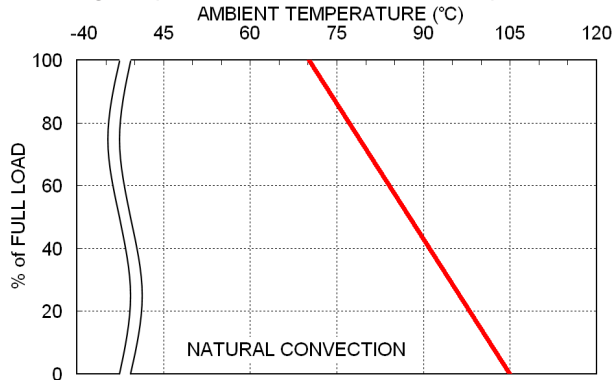
Efficiency versus Output Load



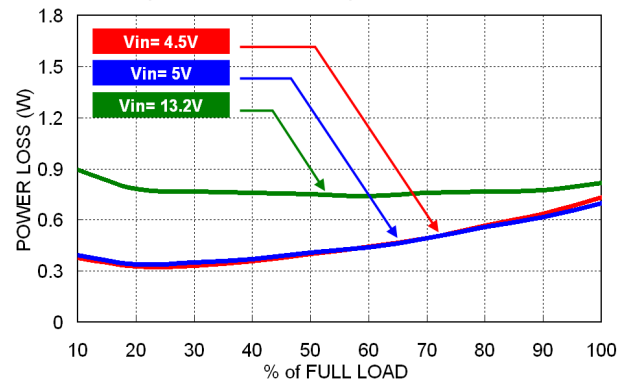
Efficiency versus Input Voltage



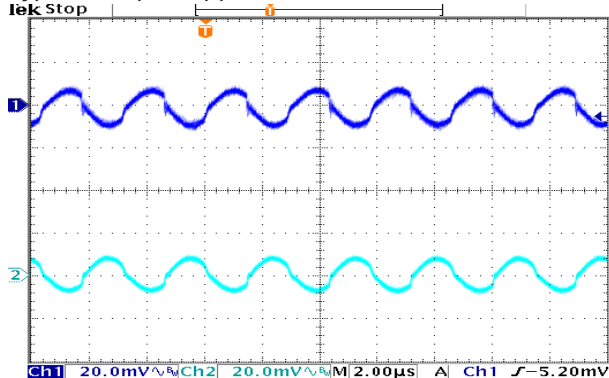
Derating Output Load versus Ambient Temperature



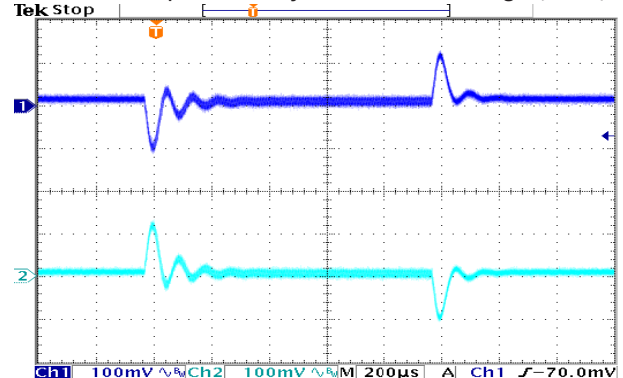
Power Dissipation versus Output Load



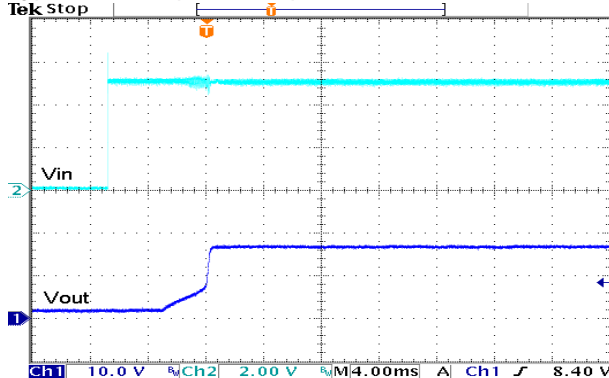
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



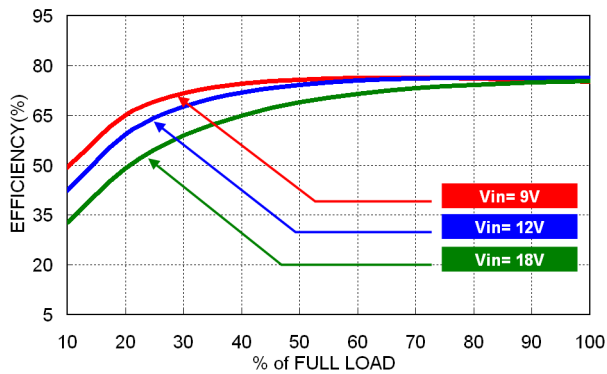
Typical Start-Up and Output Rise Characteristic



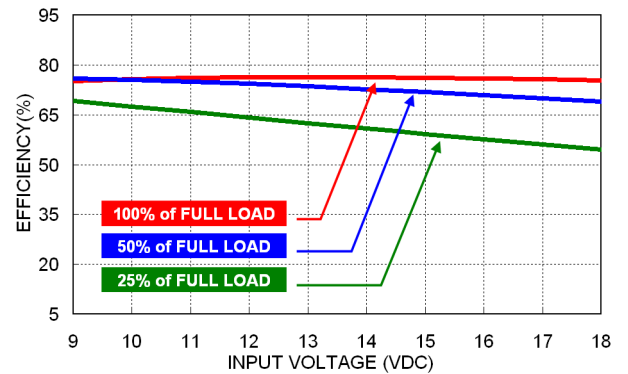
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1210(SM)

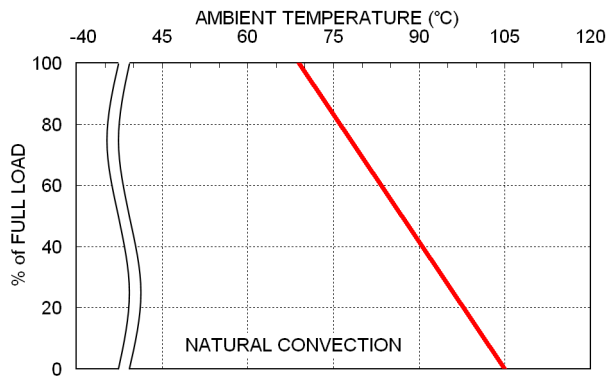
Efficiency versus Output Load



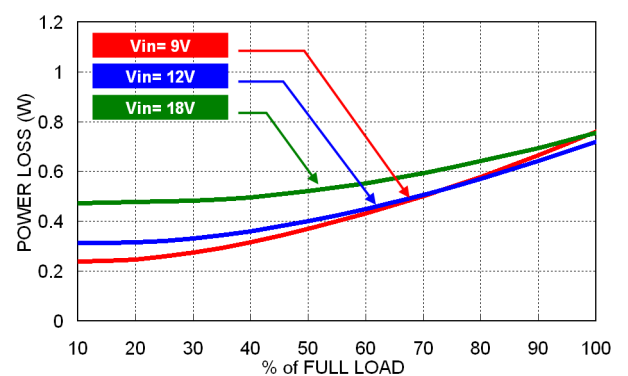
Efficiency versus Input Voltage



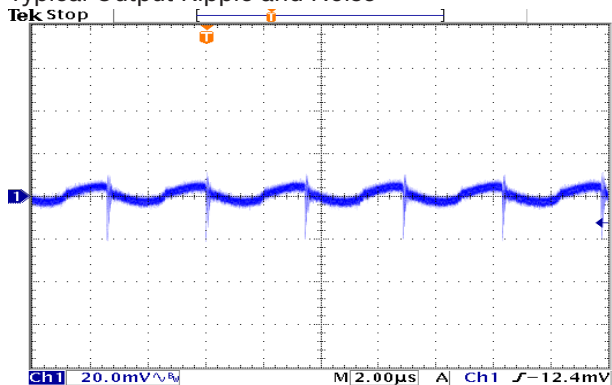
Derating Output Load versus Ambient Temperature



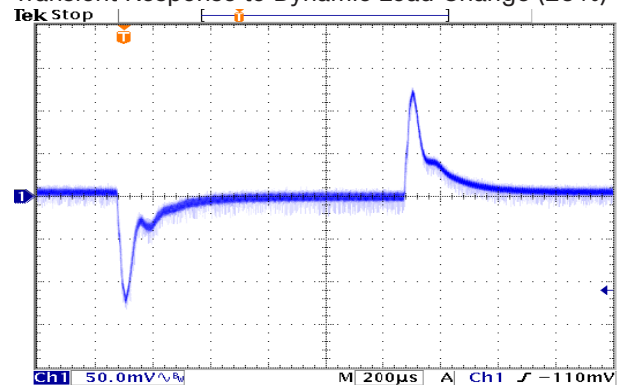
Power Dissipation versus Output Load



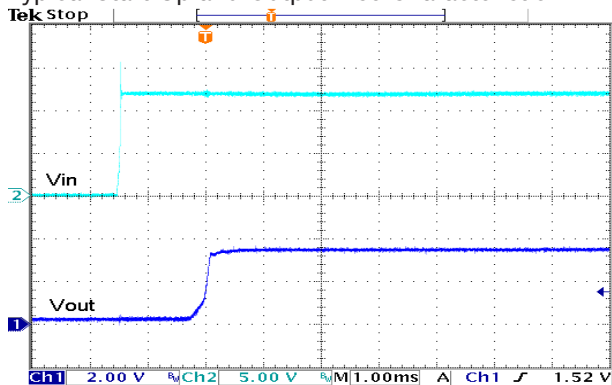
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



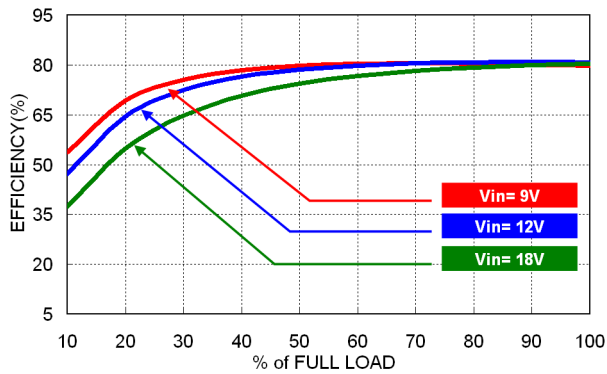
Typical Start-Up and Output Rise Characteristic



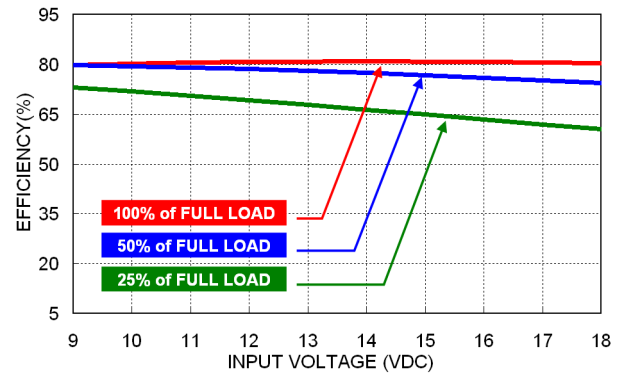
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1211(SM)

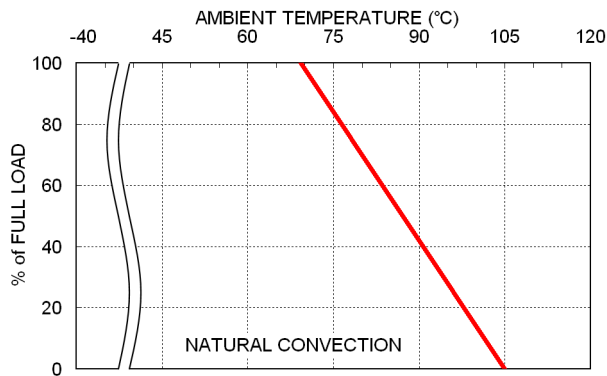
Efficiency versus Output Load



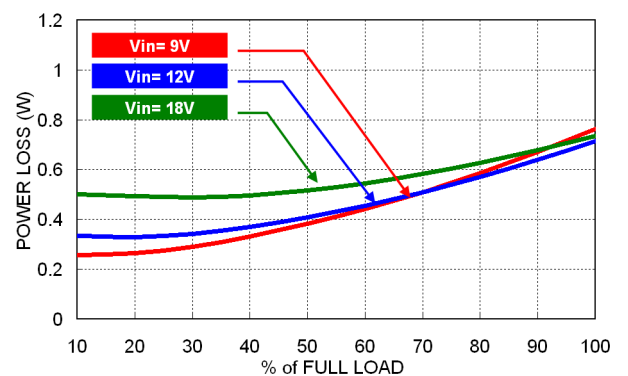
Efficiency versus Input Voltage



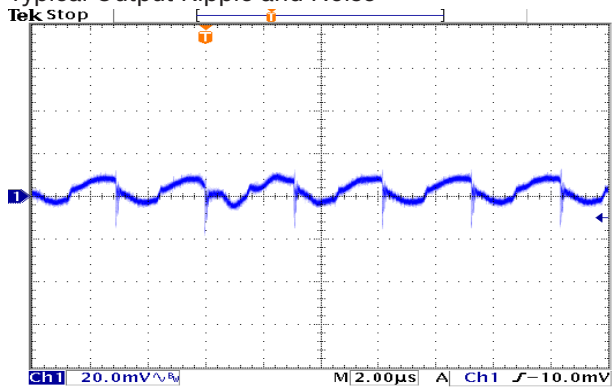
Derating Output Load versus Ambient Temperature



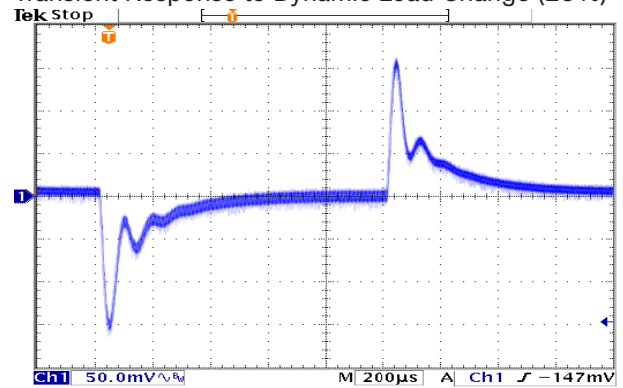
Power Dissipation versus Output Load



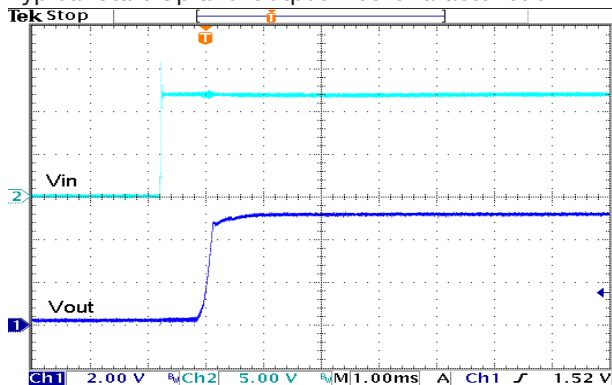
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



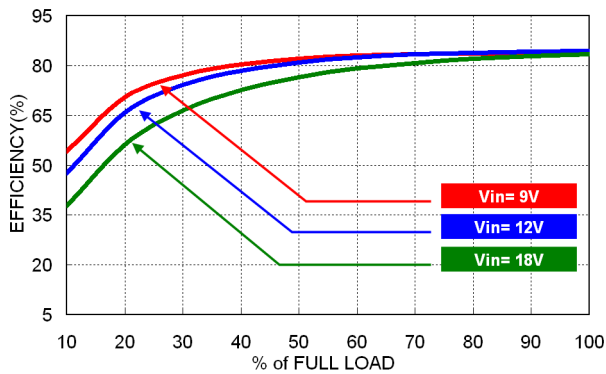
Typical Start-Up and Output Rise Characteristic



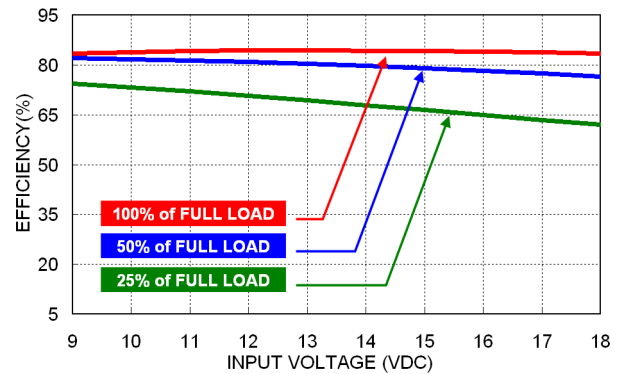
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1212(SM)

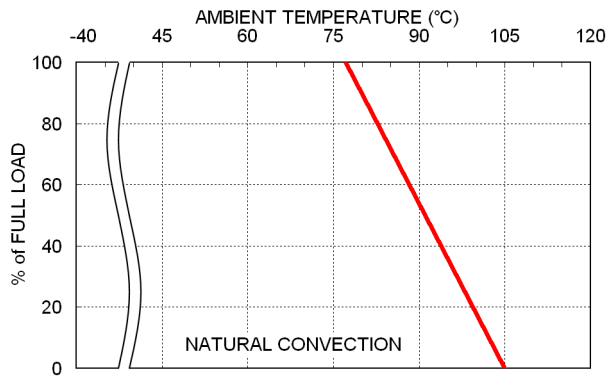
Efficiency versus Output Load



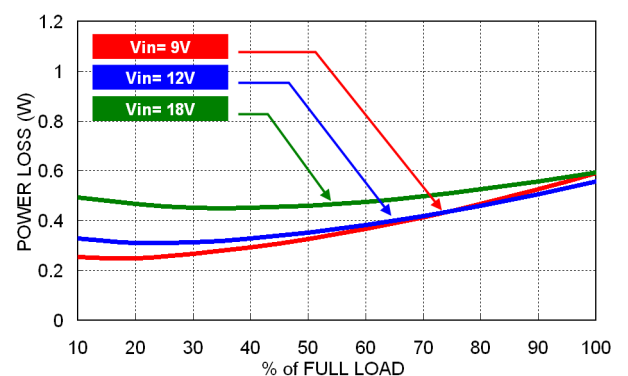
Efficiency versus Input Voltage



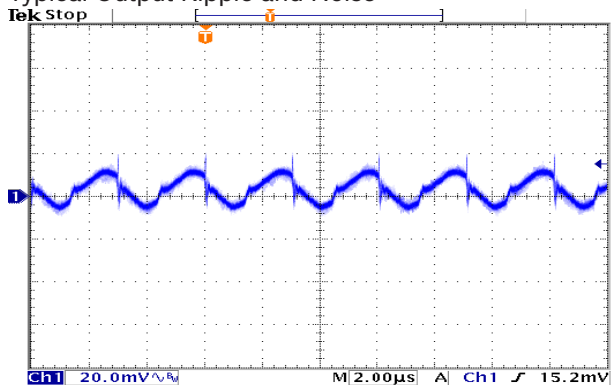
Derating Output Load versus Ambient Temperature



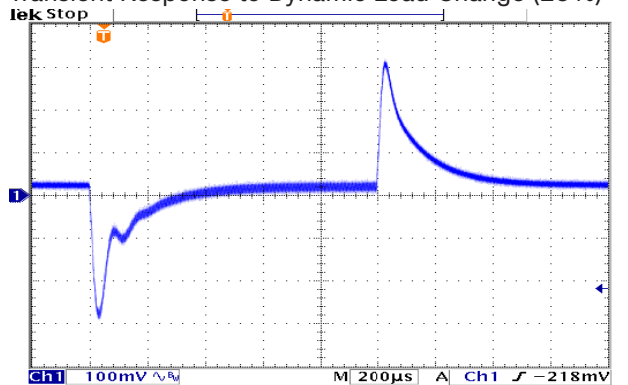
Power Dissipation versus Output Load



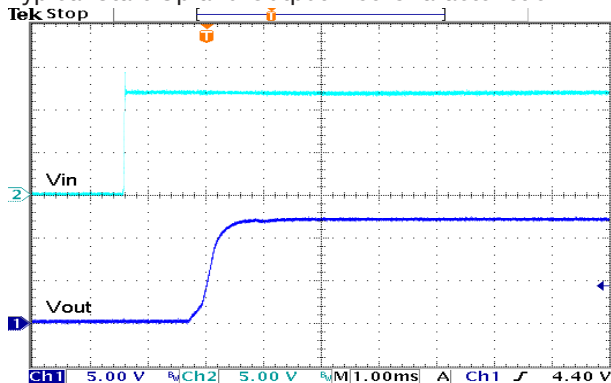
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



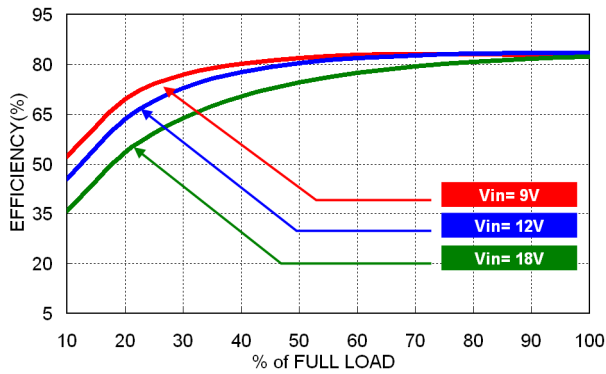
Typical Start-Up and Output Rise Characteristic



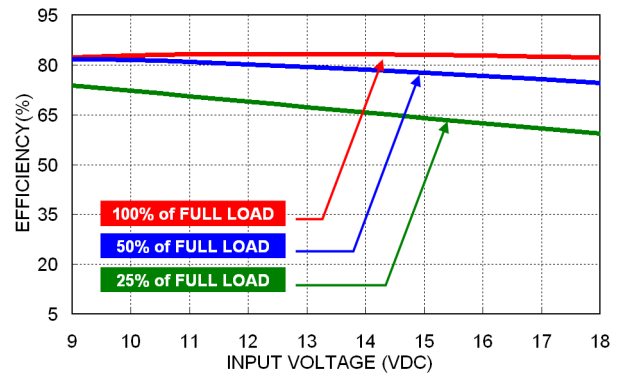
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1213(SM)

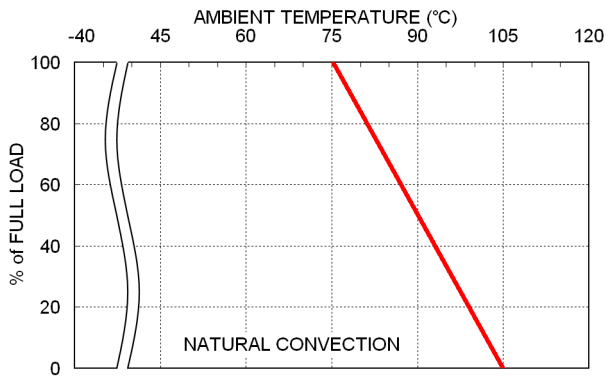
Efficiency versus Output Load



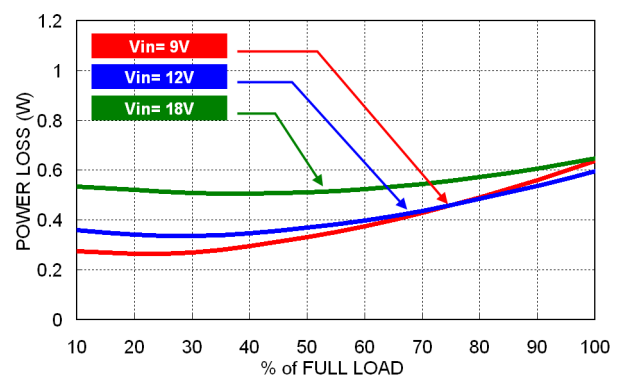
Efficiency versus Input Voltage



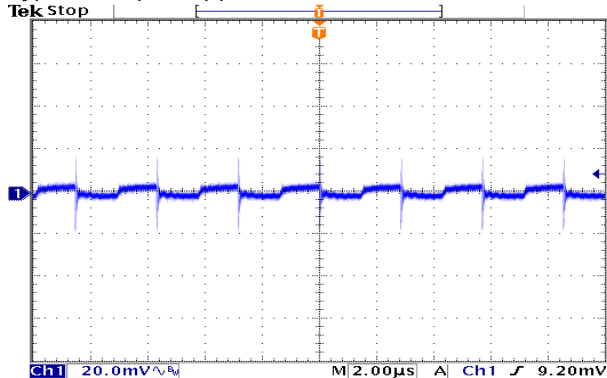
Derating Output Load versus Ambient Temperature



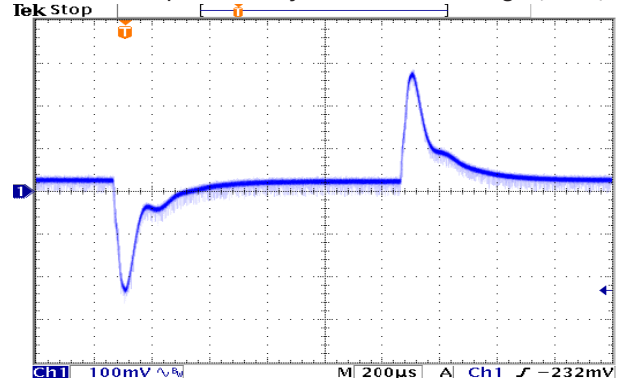
Power Dissipation versus Output Load



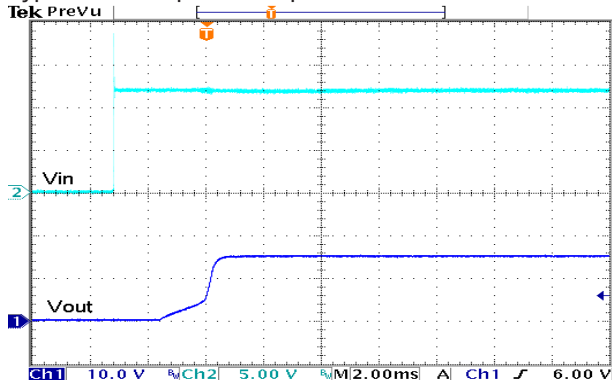
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



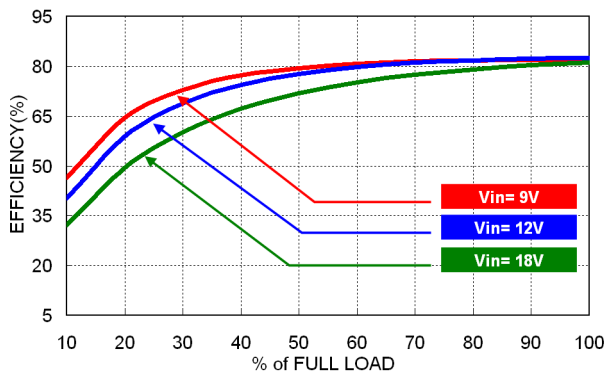
Typical Start-Up and Output Rise Characteristic



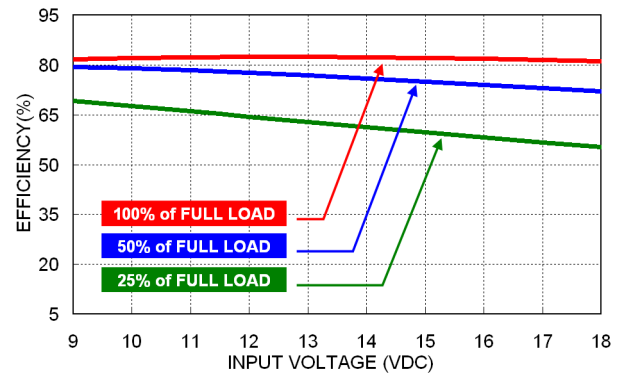
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1215(SM)

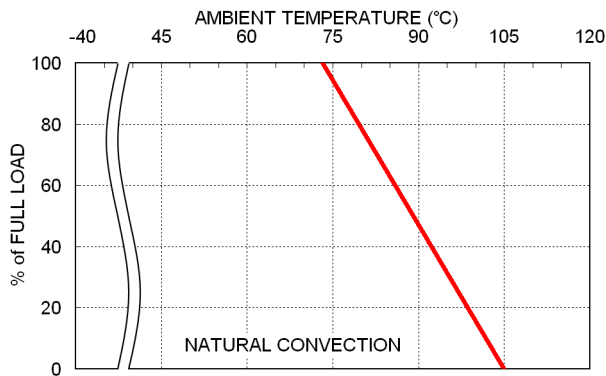
Efficiency versus Output Load



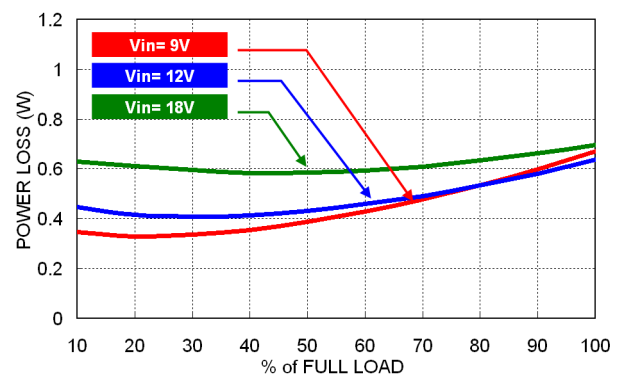
Efficiency versus Input Voltage



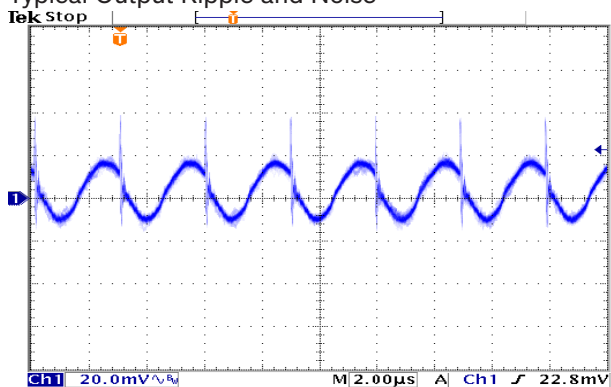
Derating Output Load versus Ambient Temperature



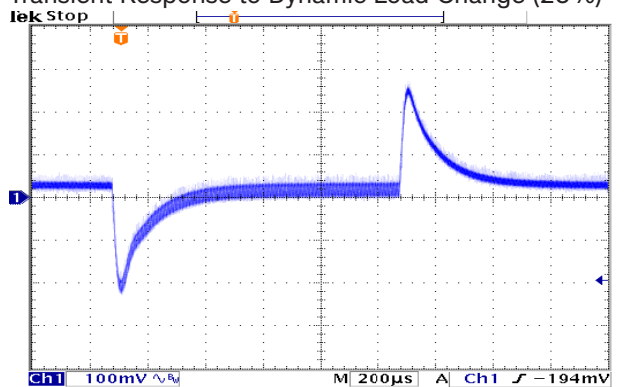
Power Dissipation versus Output Load



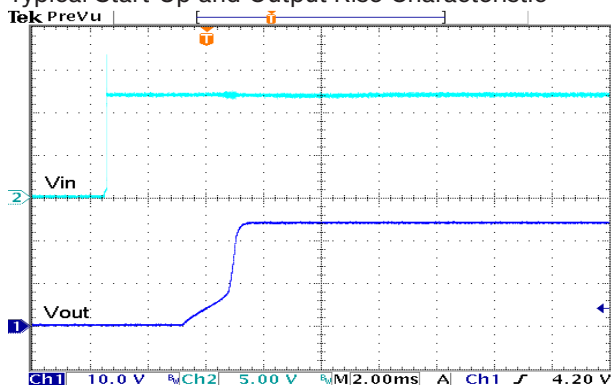
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



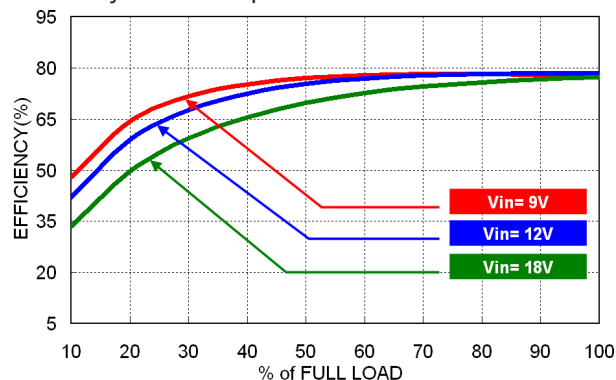
Typical Start-Up and Output Rise Characteristic



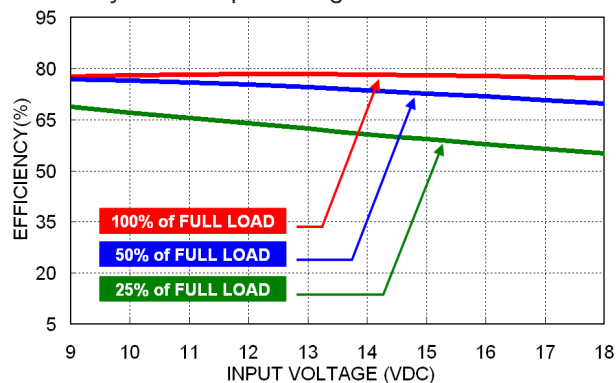
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1221(SM)

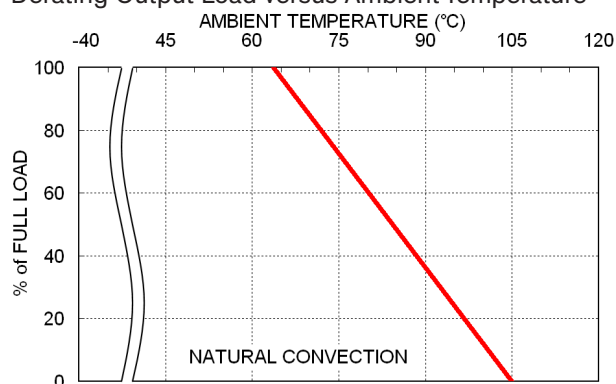
Efficiency versus Output Load



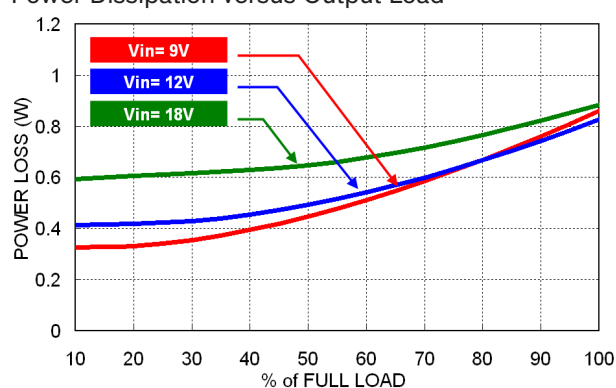
Efficiency versus Input Voltage



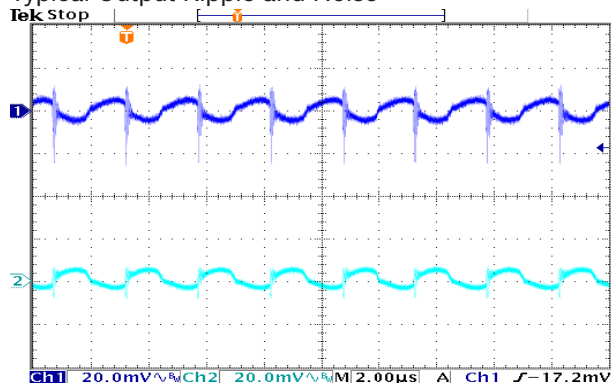
Derating Output Load versus Ambient Temperature



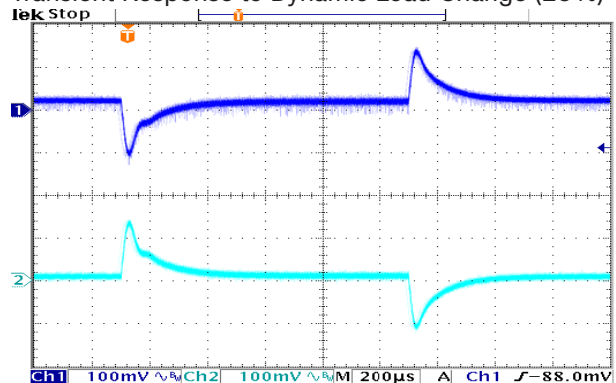
Power Dissipation versus Output Load



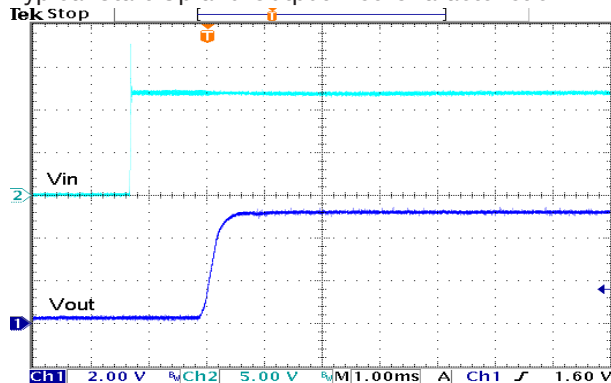
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



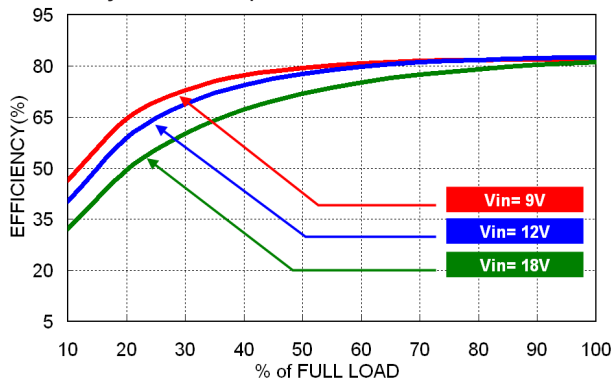
Typical Start-Up and Output Rise Characteristic



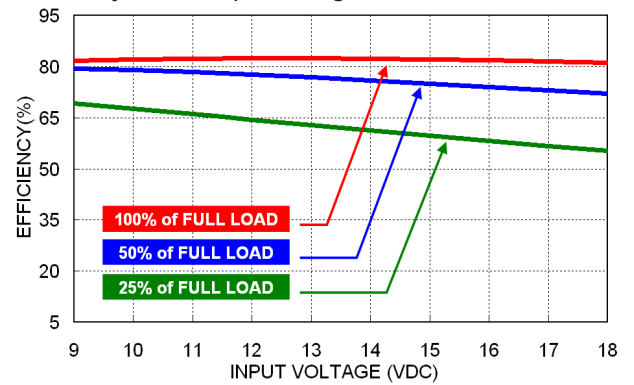
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1222(SM)

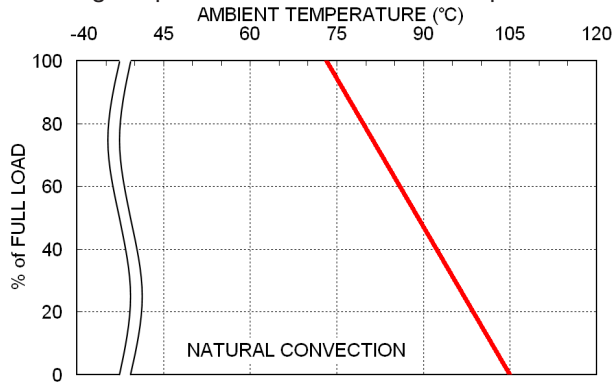
Efficiency versus Output Load



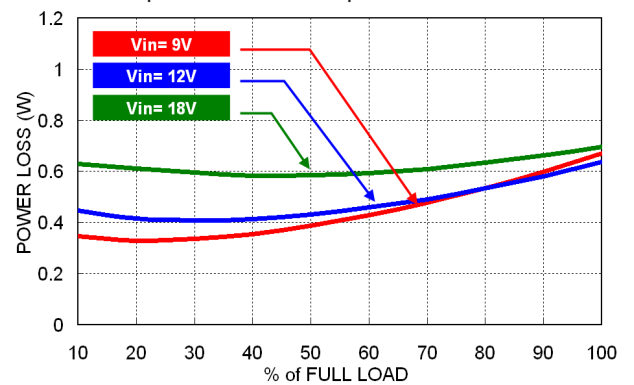
Efficiency versus Input Voltage



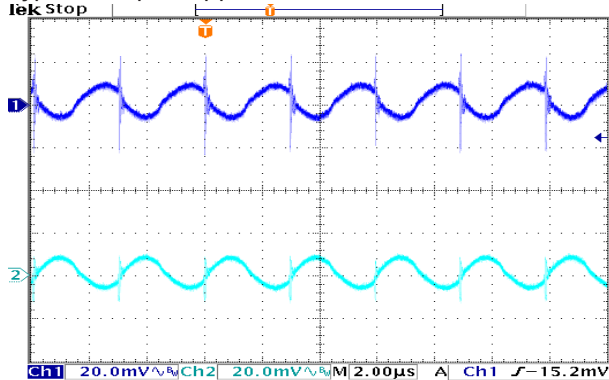
Derating Output Load versus Ambient Temperature



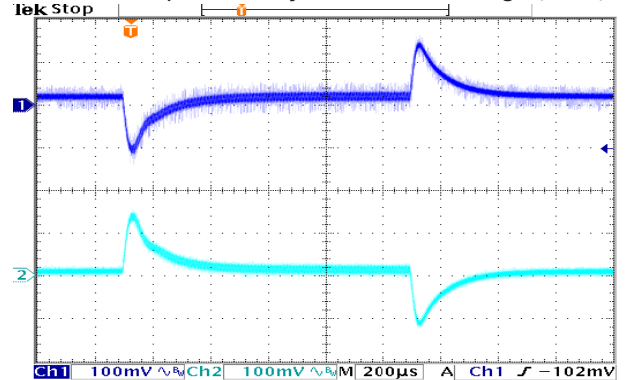
Power Dissipation versus Output Load



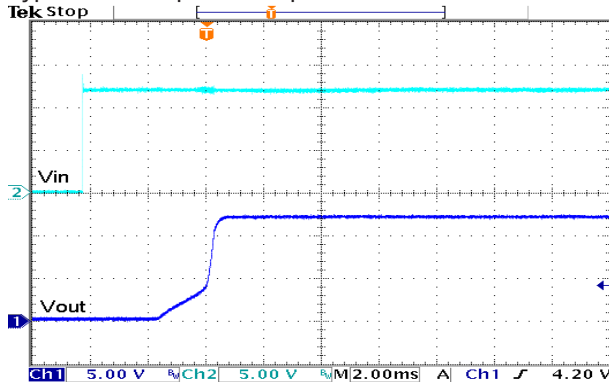
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



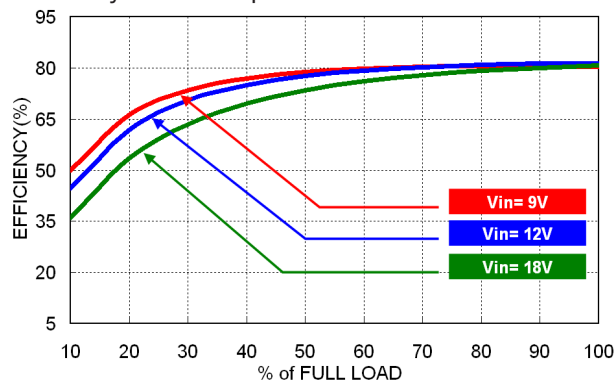
Typical Start-Up and Output Rise Characteristic



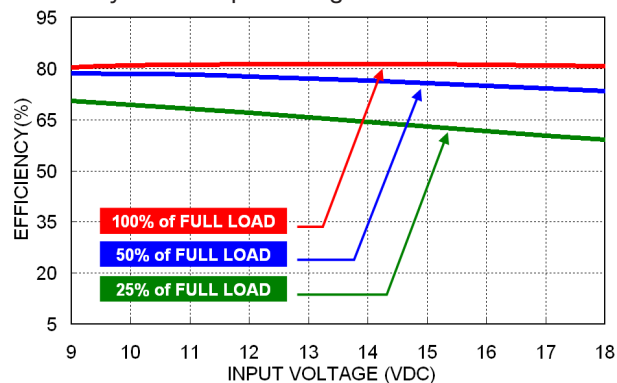
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-1223(SM)

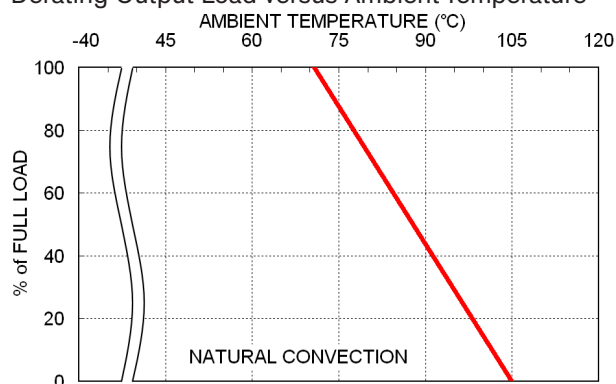
Efficiency versus Output Load



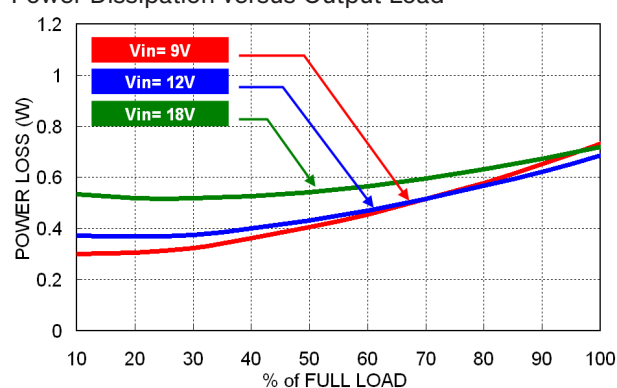
Efficiency versus Input Voltage



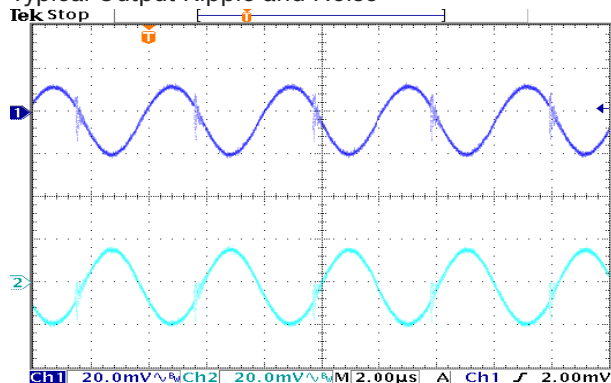
Derating Output Load versus Ambient Temperature



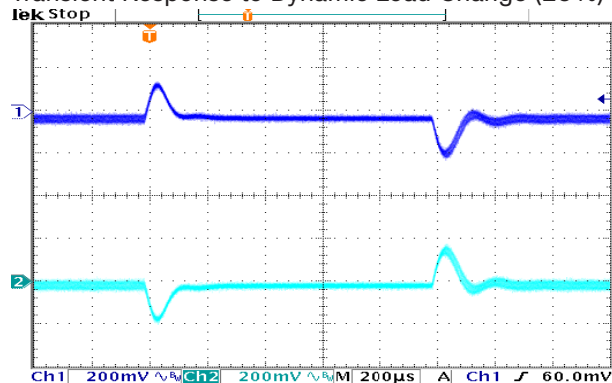
Power Dissipation versus Output Load



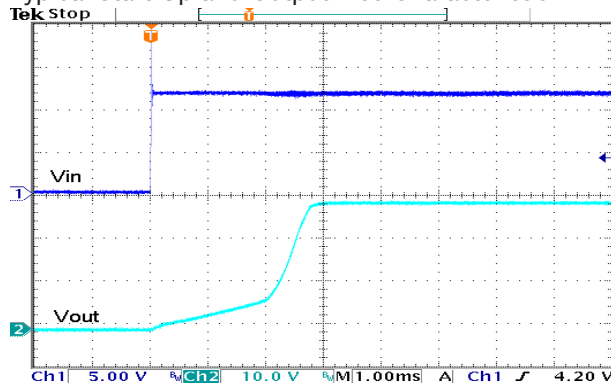
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



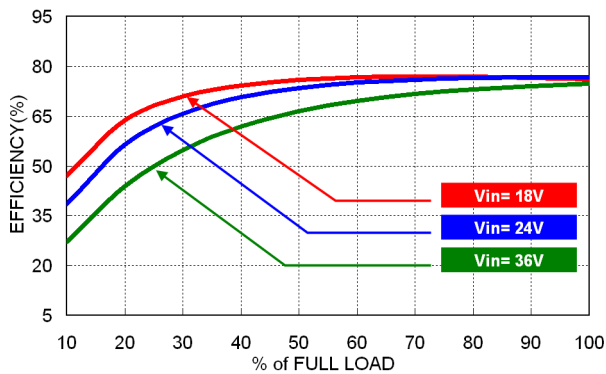
Typical Start-Up and Output Rise Characteristic



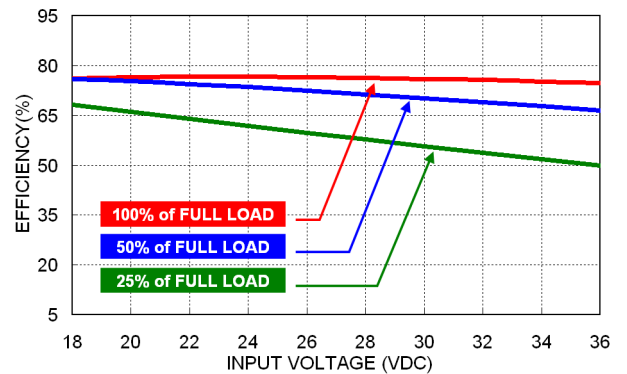
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2410(SM)

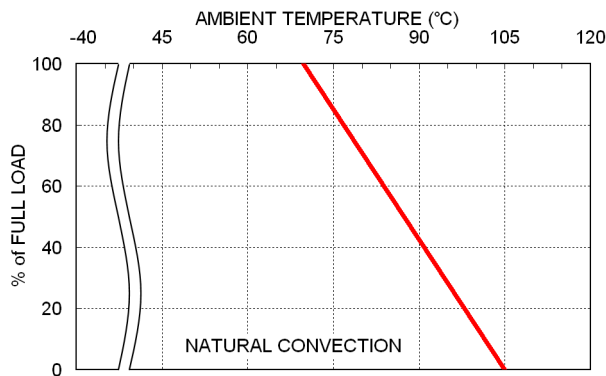
Efficiency versus Output Load



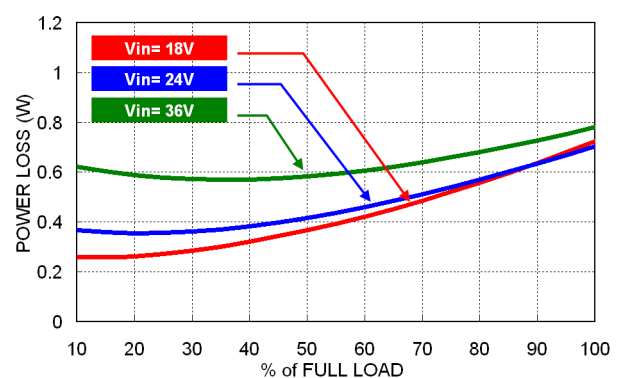
Efficiency versus Input Voltage



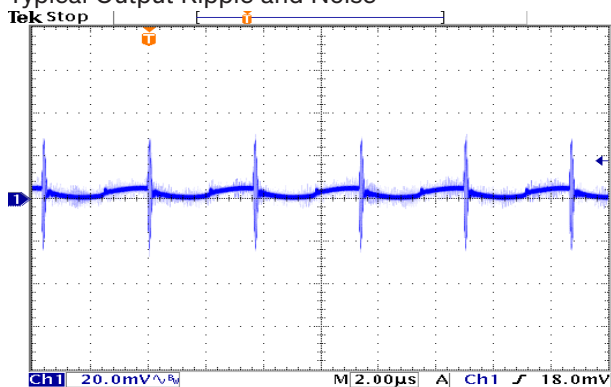
Derating Output Load versus Ambient Temperature



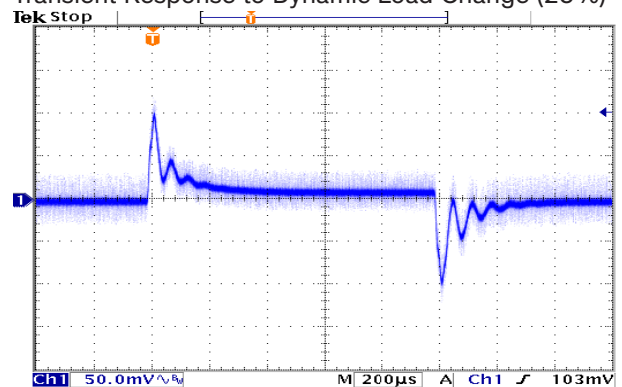
Power Dissipation versus Output Load



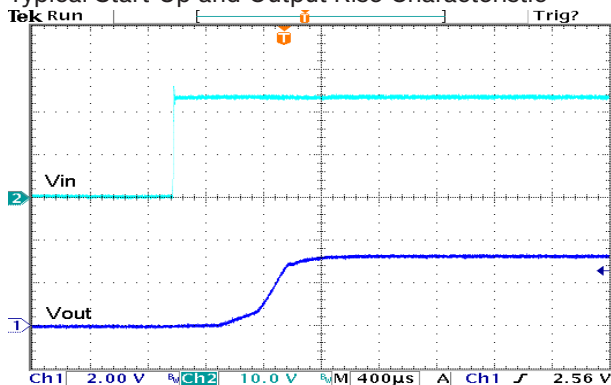
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



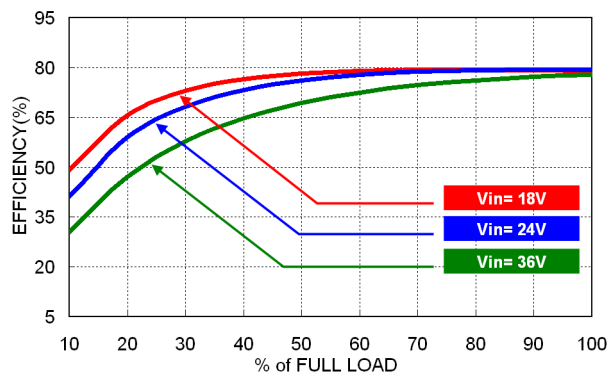
Typical Start-Up and Output Rise Characteristic



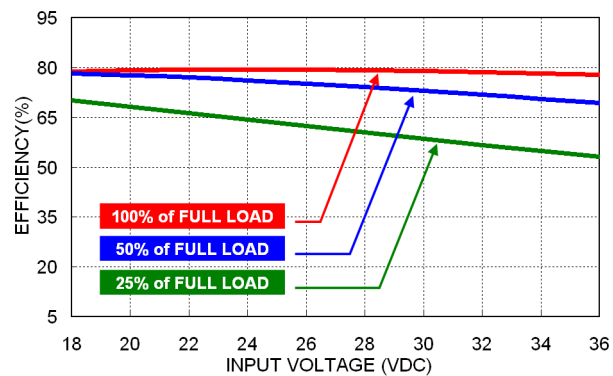
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2411(SM)

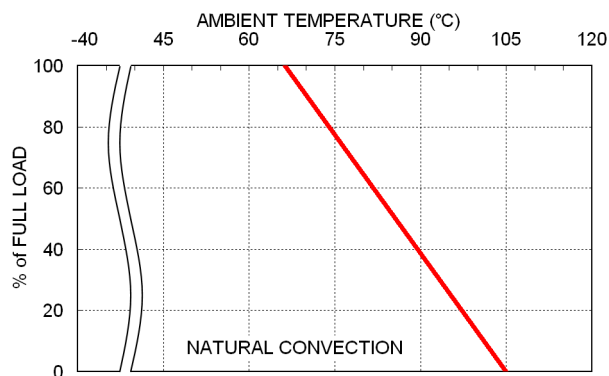
Efficiency versus Output Load



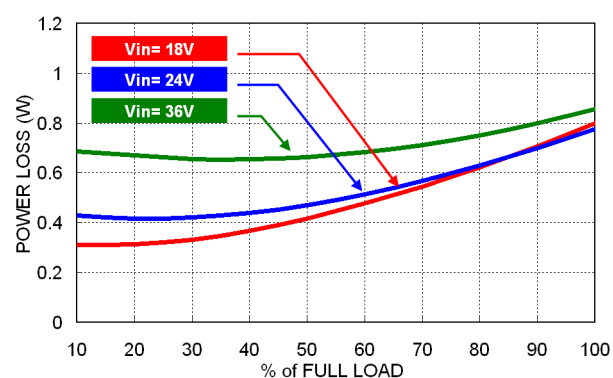
Efficiency versus Input Voltage



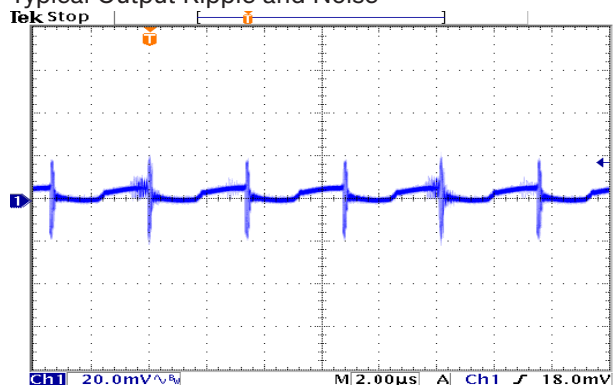
Derating Output Load versus Ambient Temperature



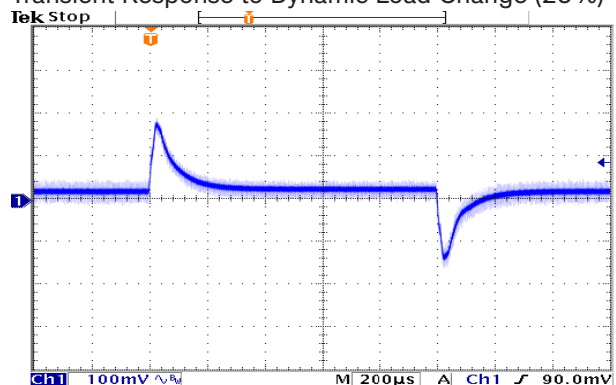
Power Dissipation versus Output Load



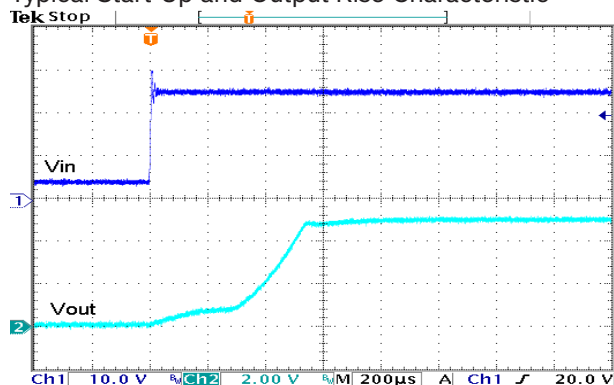
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



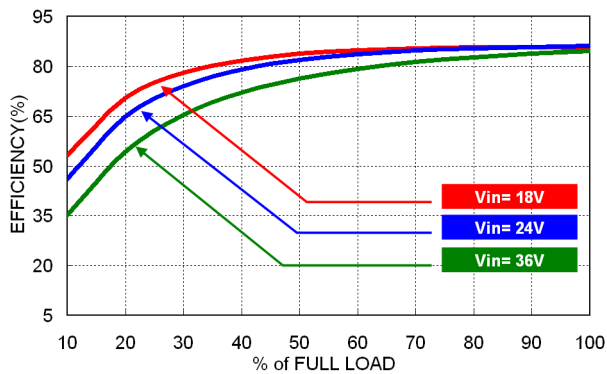
Typical Start-Up and Output Rise Characteristic



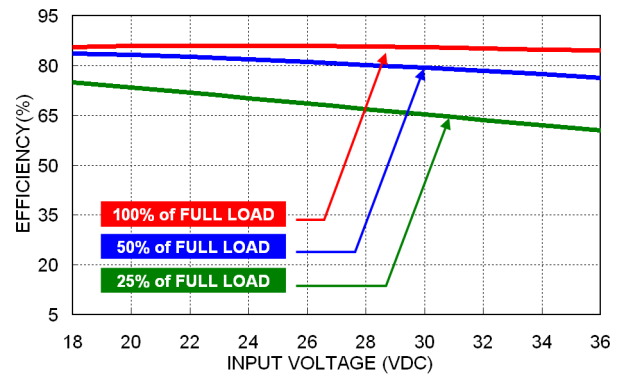
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2412(SM)

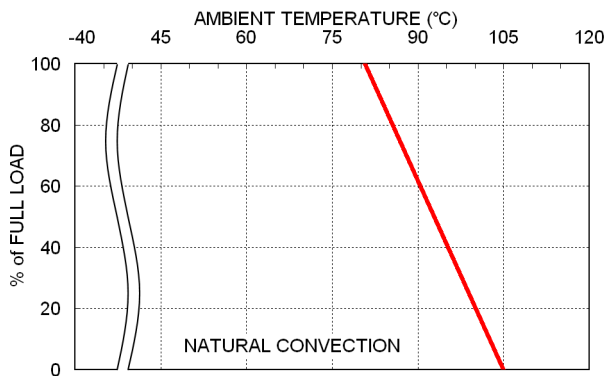
Efficiency versus Output Load



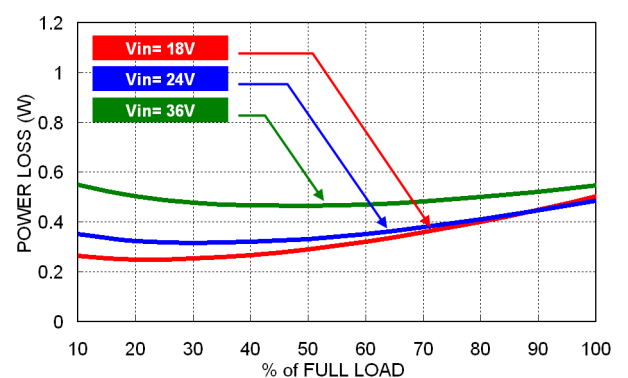
Efficiency versus Input Voltage



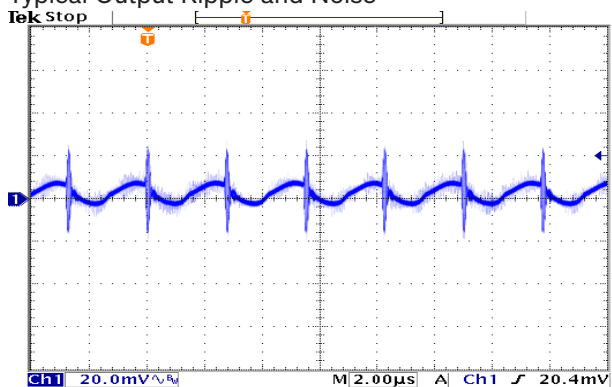
Derating Output Load versus Ambient Temperature



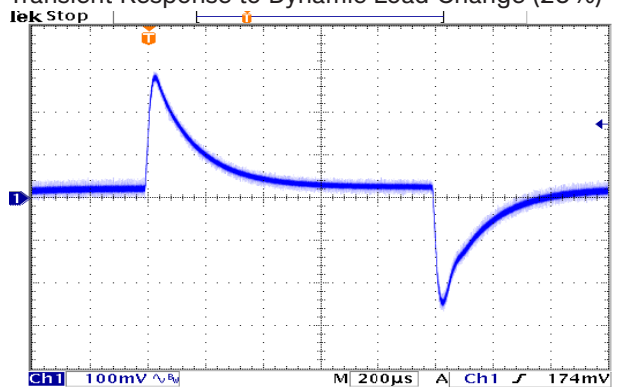
Power Dissipation versus Output Load



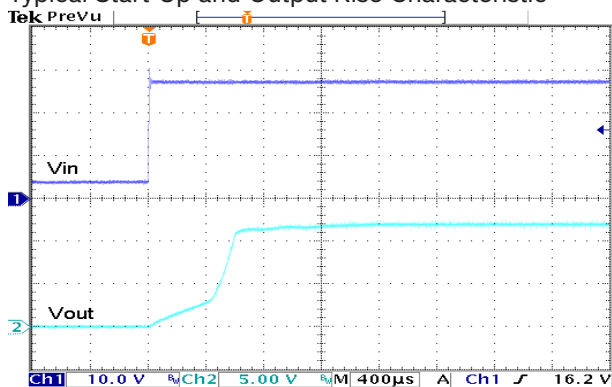
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



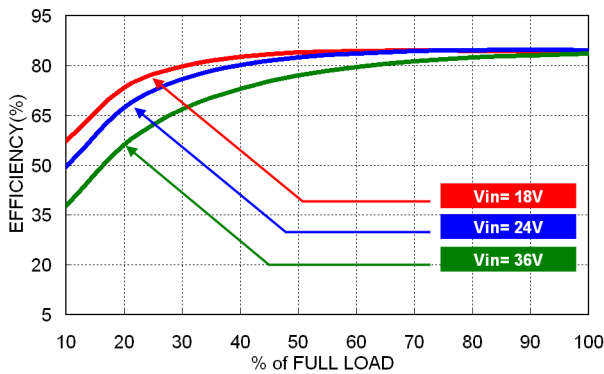
Typical Start-Up and Output Rise Characteristic



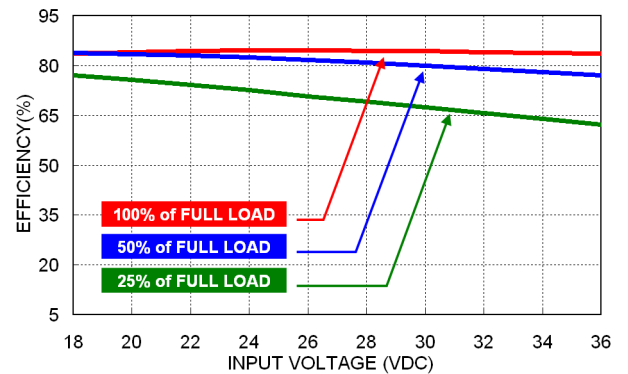
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2413(SM)

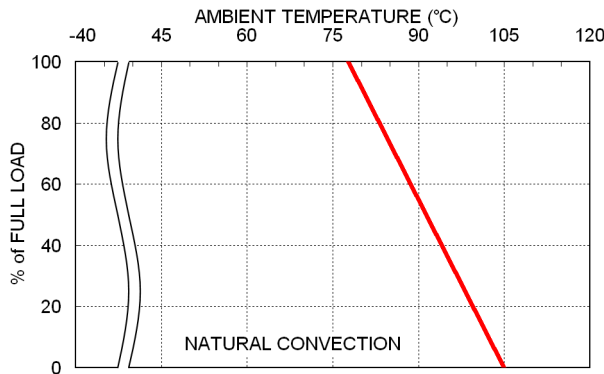
Efficiency versus Output Load



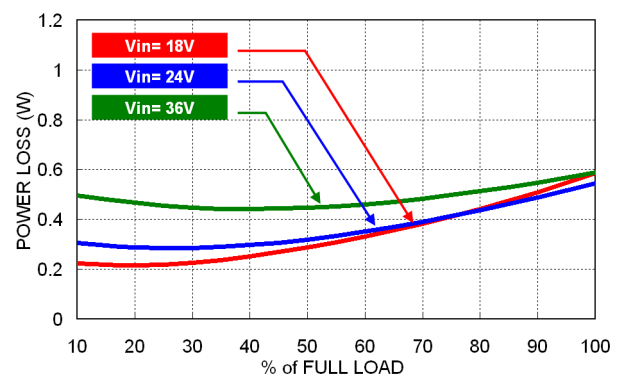
Efficiency versus Input Voltage



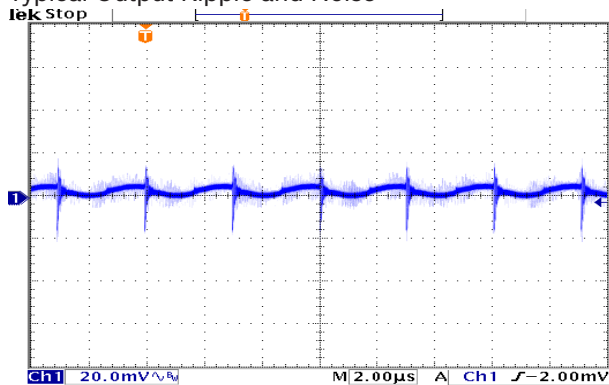
Derating Output Load versus Ambient Temperature



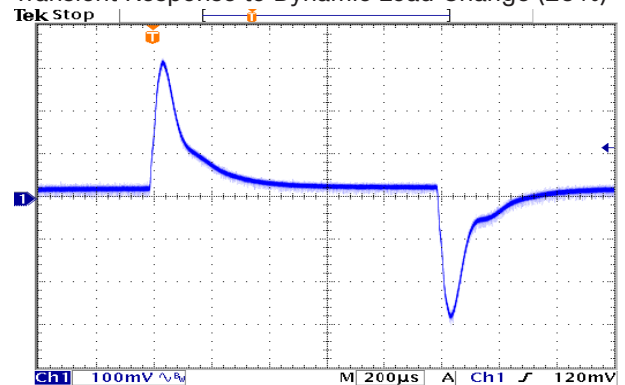
Power Dissipation versus Output Load



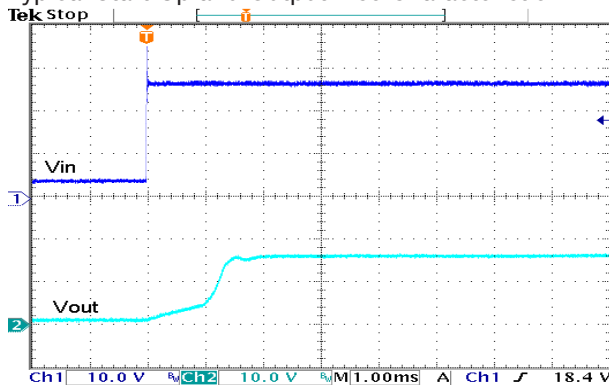
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



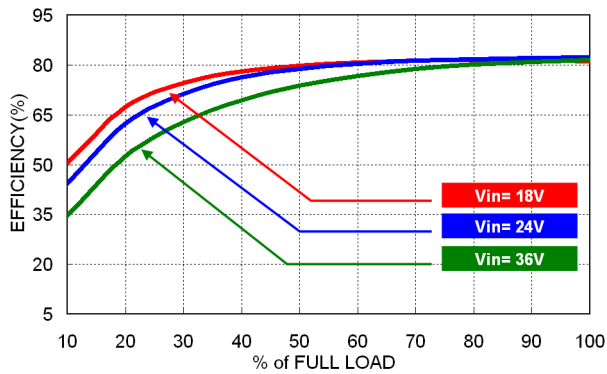
Typical Start-Up and Output Rise Characteristic



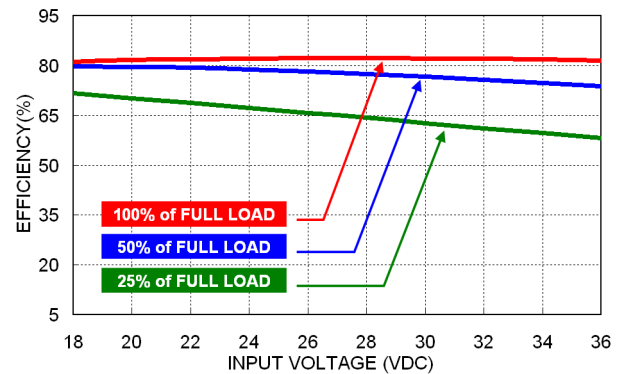
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2415(SM)

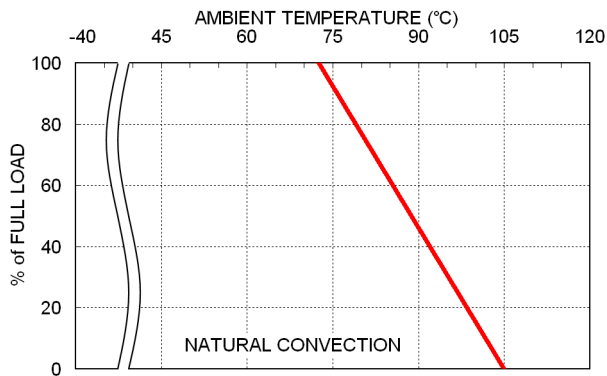
Efficiency versus Output Load



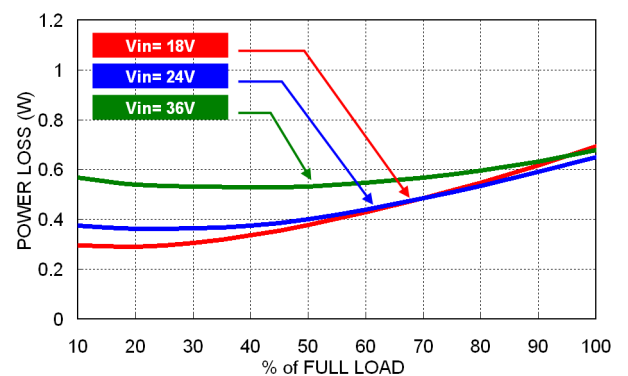
Efficiency versus Input Voltage



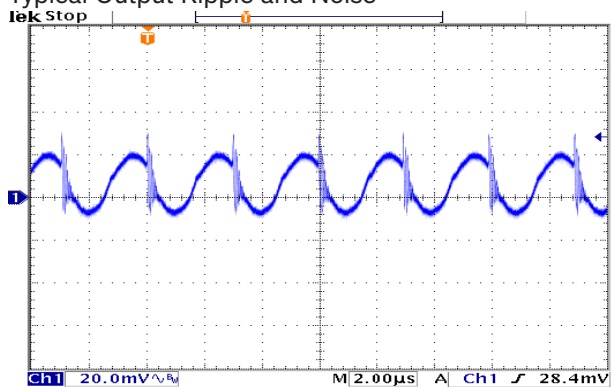
Derating Output Load versus Ambient Temperature



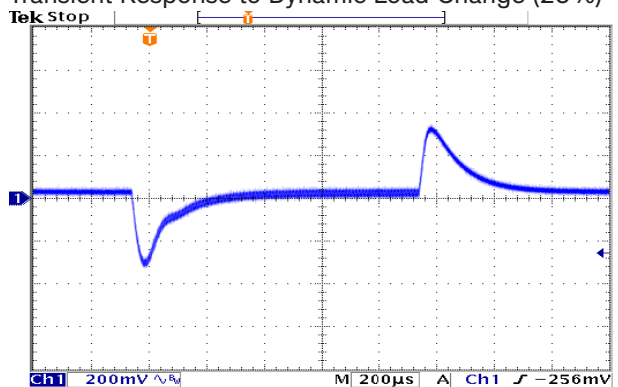
Power Dissipation versus Output Load



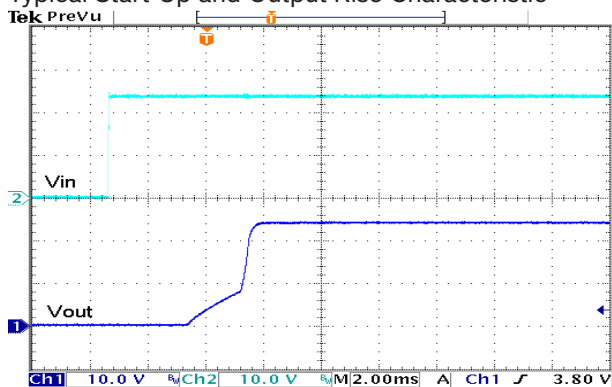
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



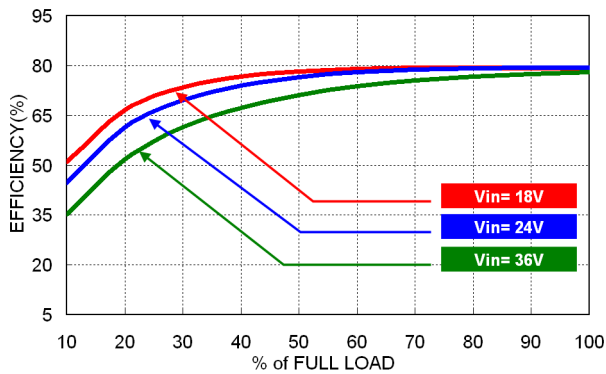
Typical Start-Up and Output Rise Characteristic



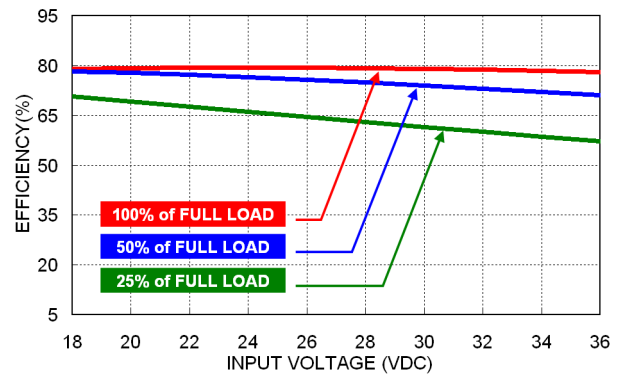
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2421(SM)

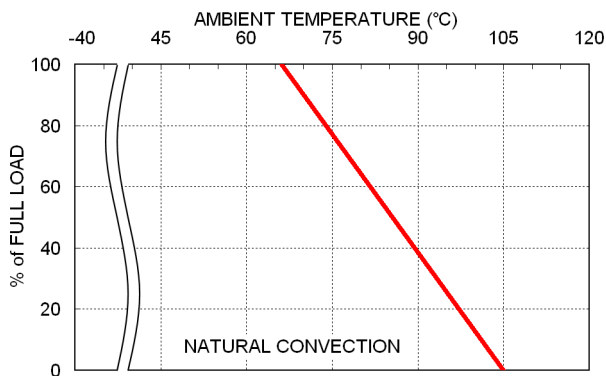
Efficiency versus Output Load



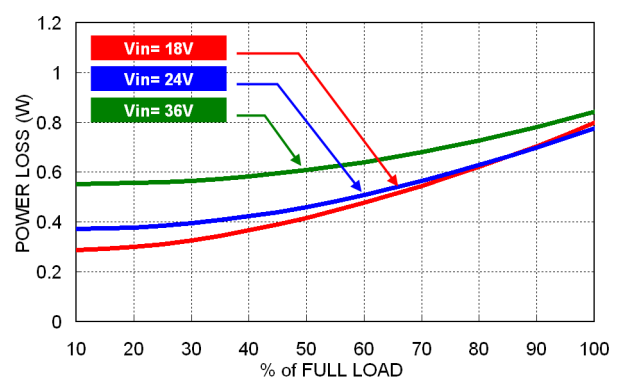
Efficiency versus Input Voltage



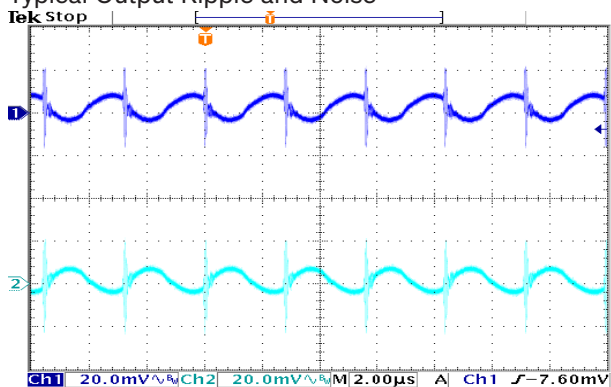
Derating Output Load versus Ambient Temperature



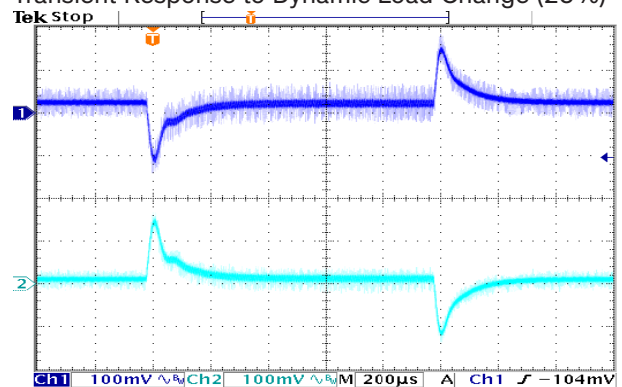
Power Dissipation versus Output Load



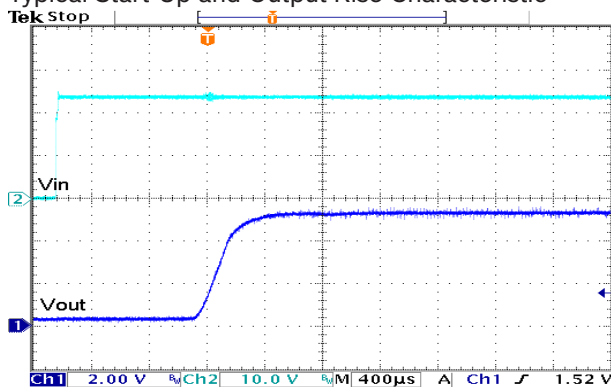
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



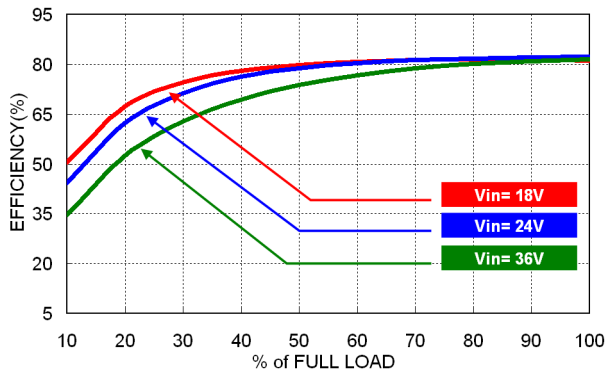
Typical Start-Up and Output Rise Characteristic



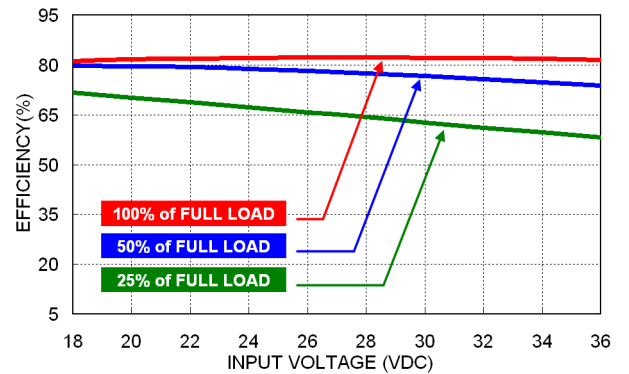
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2422(SM)

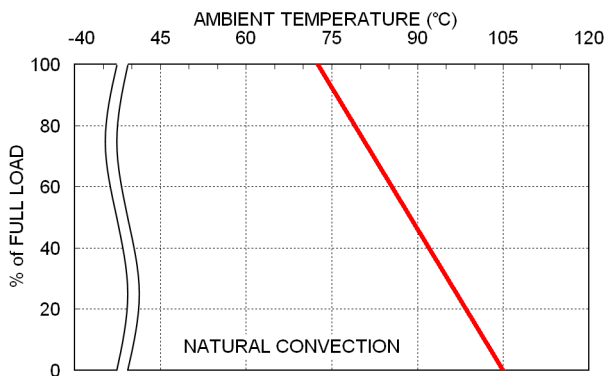
Efficiency versus Output Load



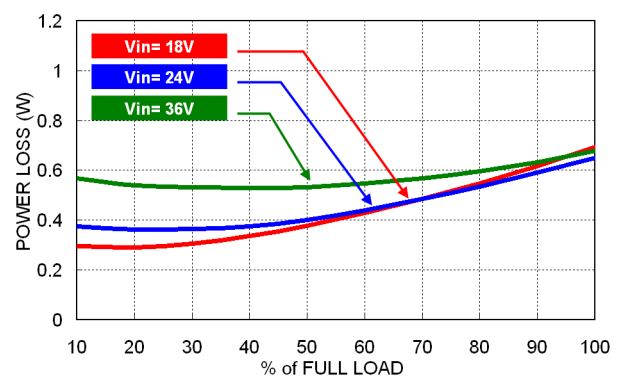
Efficiency versus Input Voltage



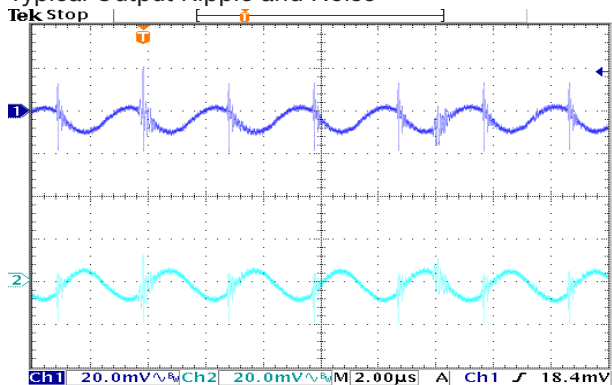
Derating Output Load versus Ambient Temperature



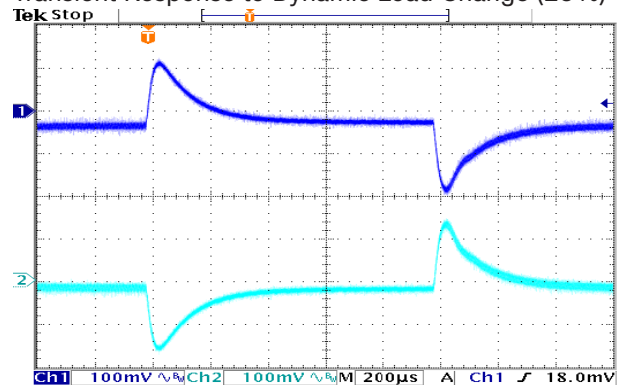
Power Dissipation versus Output Load



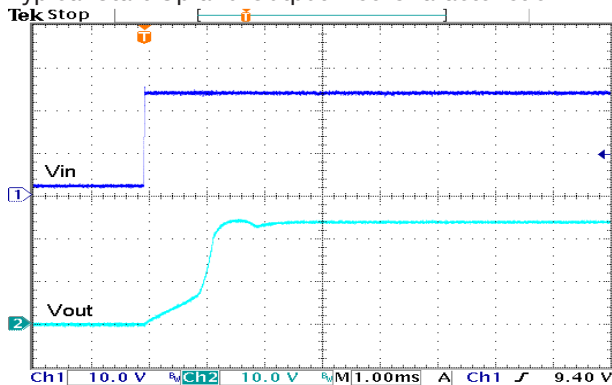
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



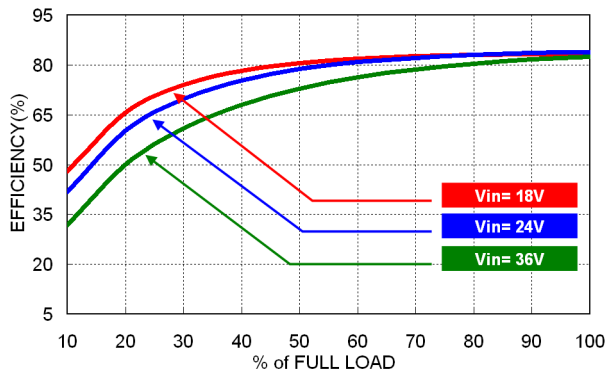
Typical Start-Up and Output Rise Characteristic



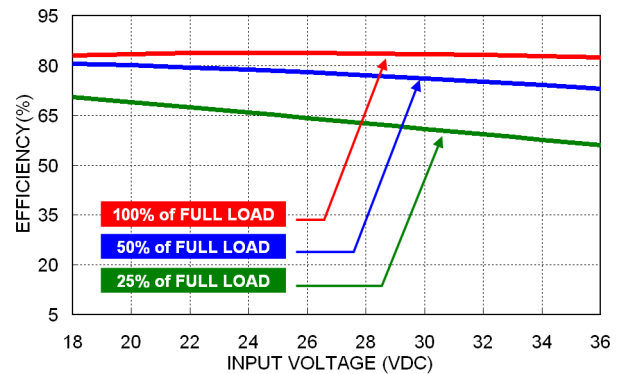
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-2423(SM)

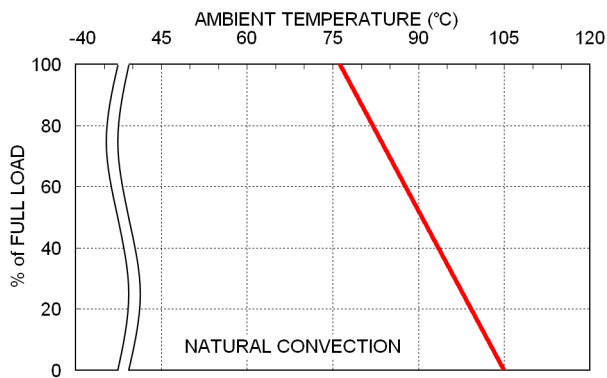
Efficiency versus Output Load



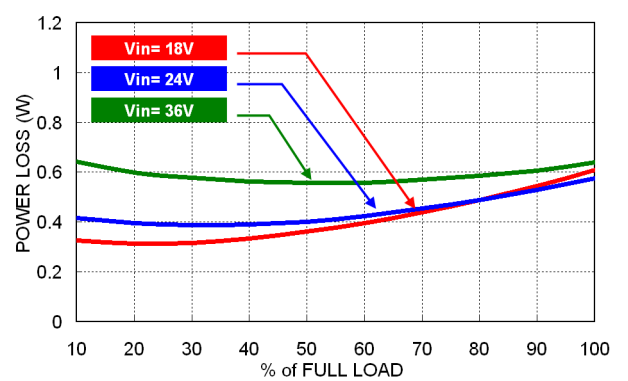
Efficiency versus Input Voltage



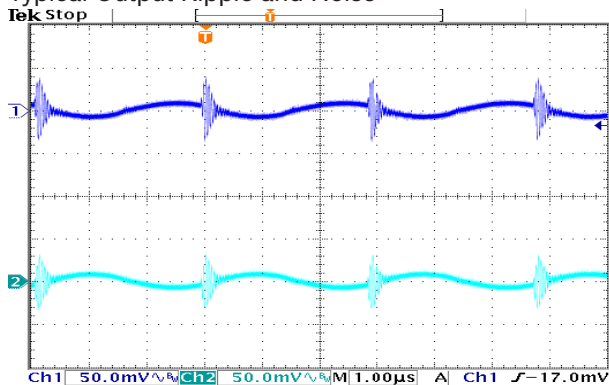
Derating Output Load versus Ambient Temperature



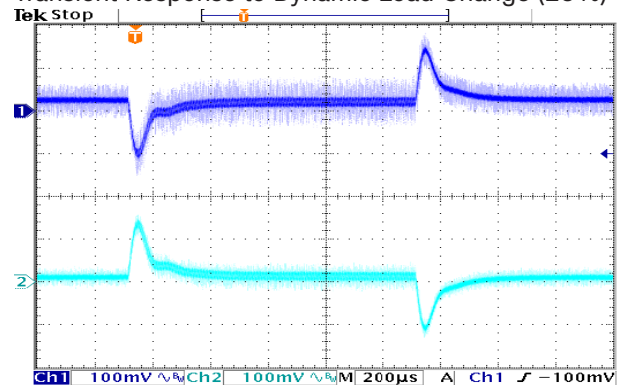
Power Dissipation versus Output Load



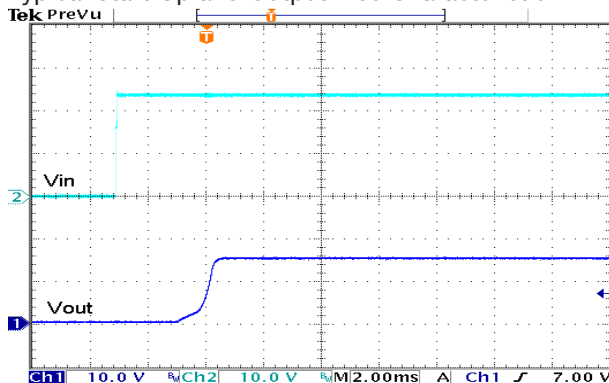
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



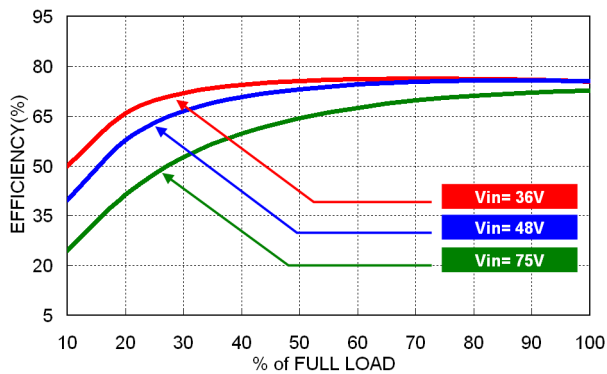
Typical Start-Up and Output Rise Characteristic



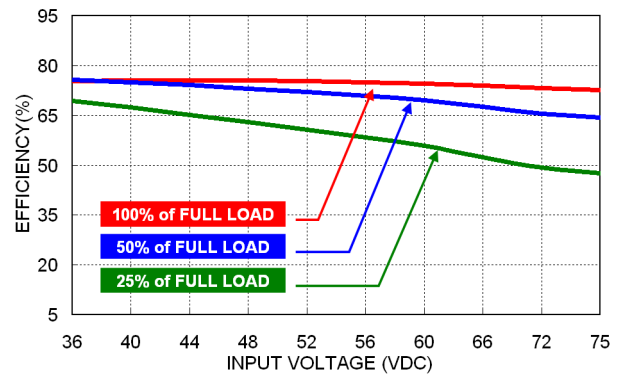
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4810(SM)

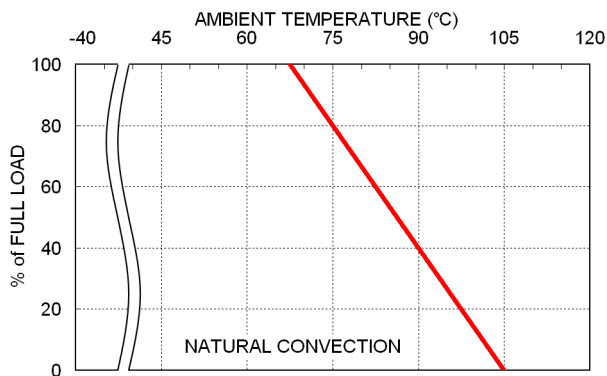
Efficiency versus Output Load



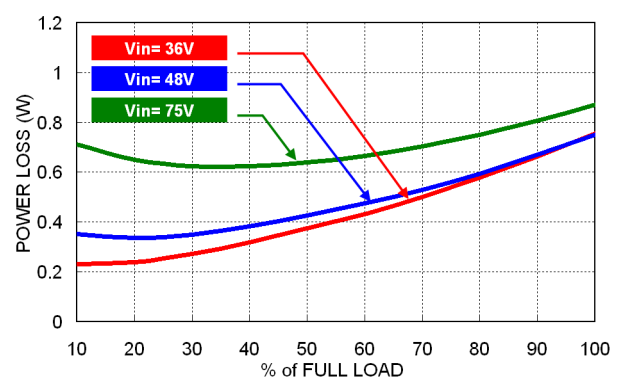
Efficiency versus Input Voltage



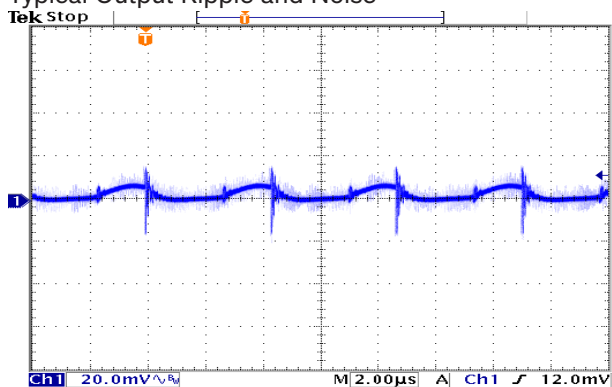
Derating Output Load versus Ambient Temperature



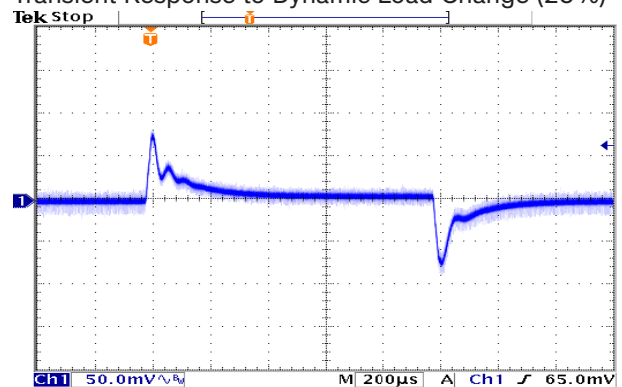
Power Dissipation versus Output Load



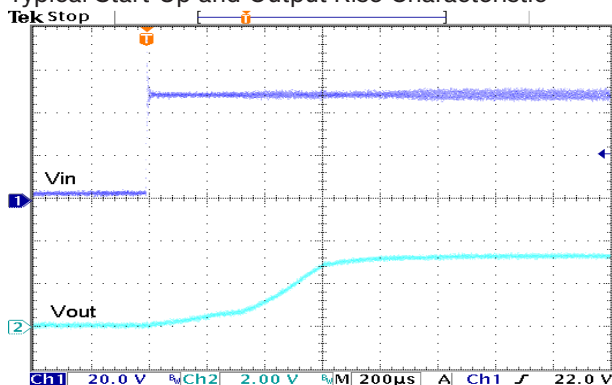
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



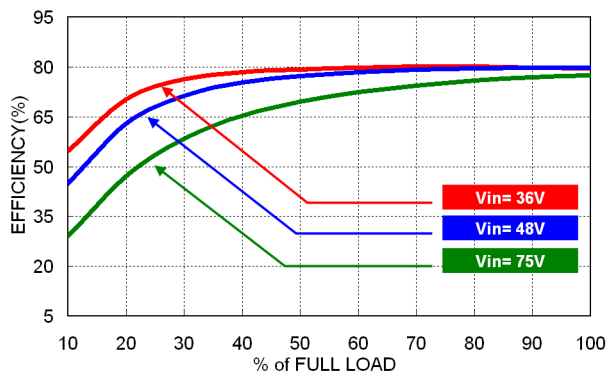
Typical Start-Up and Output Rise Characteristic



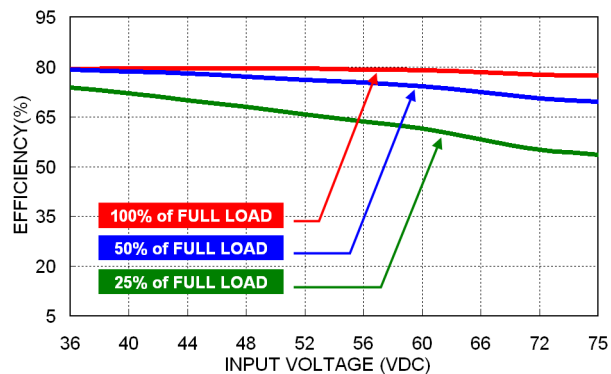
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4811(SM)

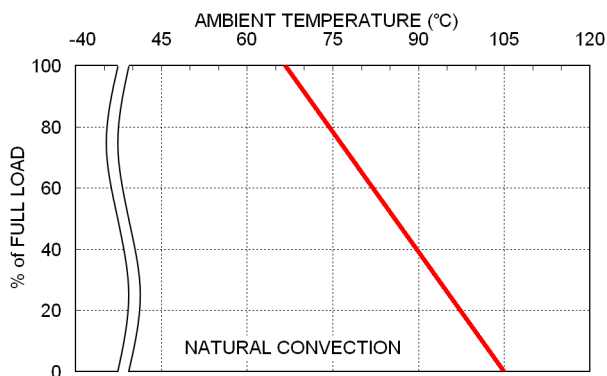
Efficiency versus Output Load



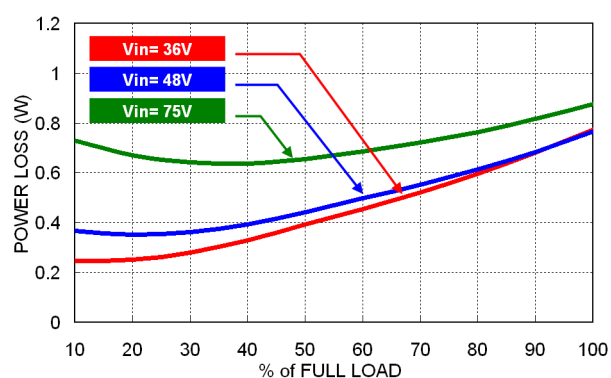
Efficiency versus Input Voltage



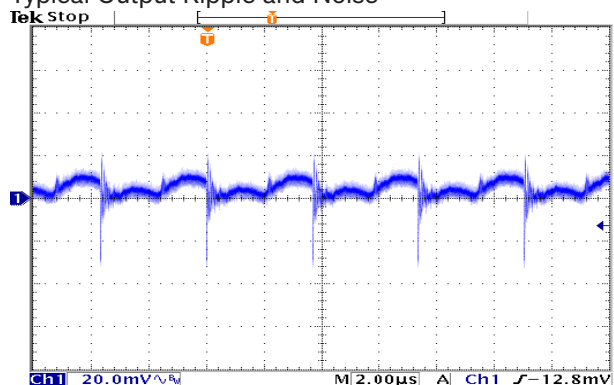
Derating Output Load versus Ambient Temperature



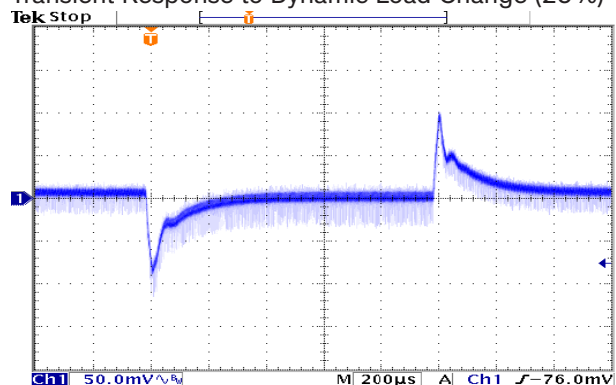
Power Dissipation versus Output Load



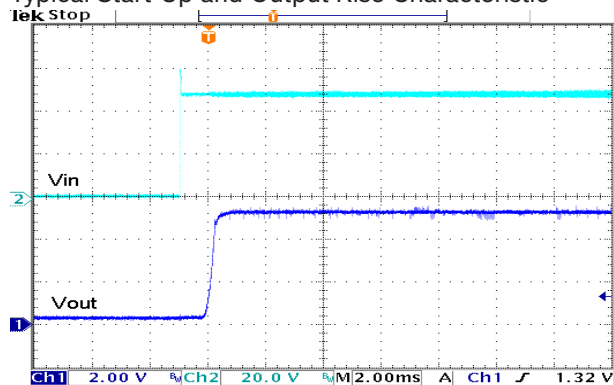
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



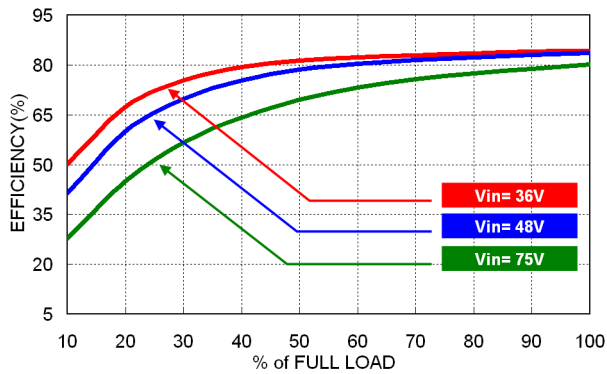
Typical Start-Up and Output Rise Characteristic



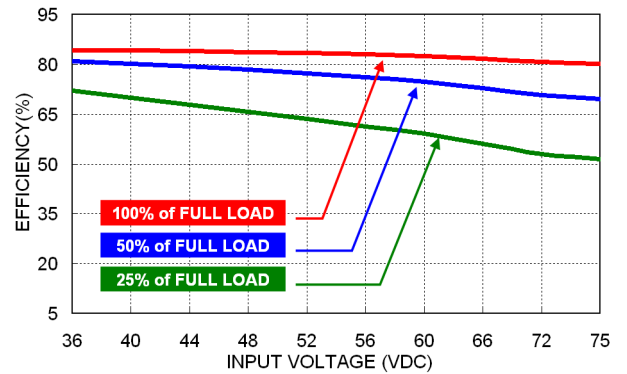
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4812(SM)

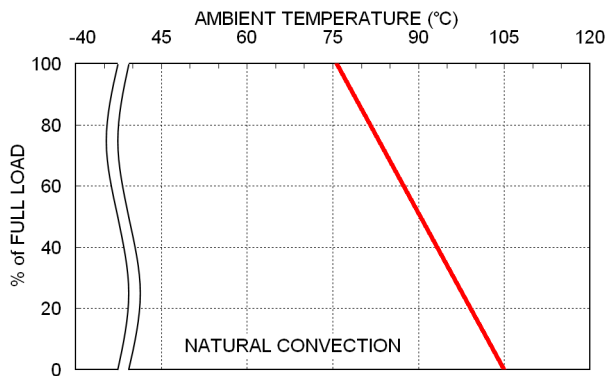
Efficiency versus Output Load



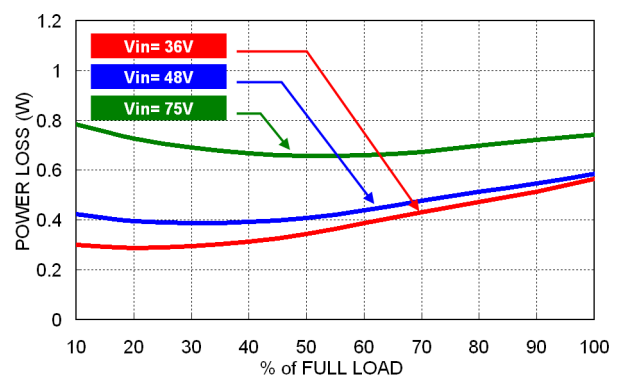
Efficiency versus Input Voltage



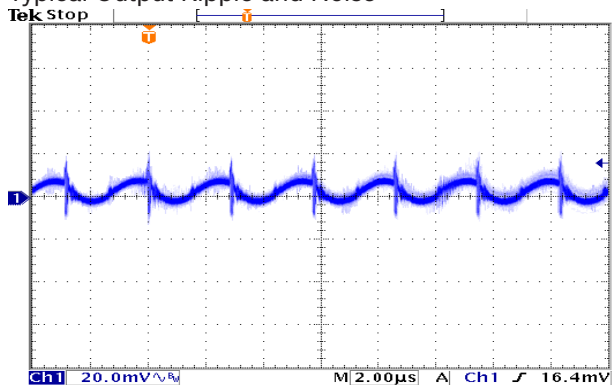
Derating Output Load versus Ambient Temperature



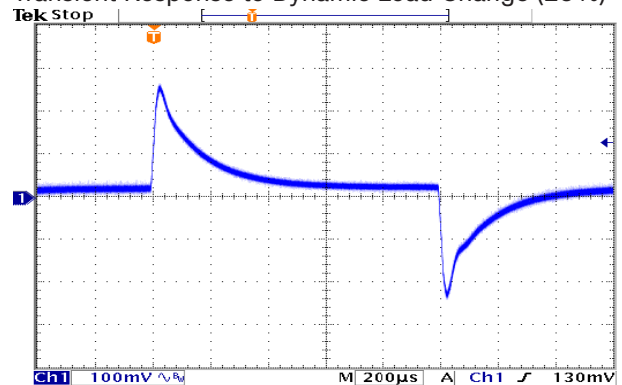
Power Dissipation versus Output Load



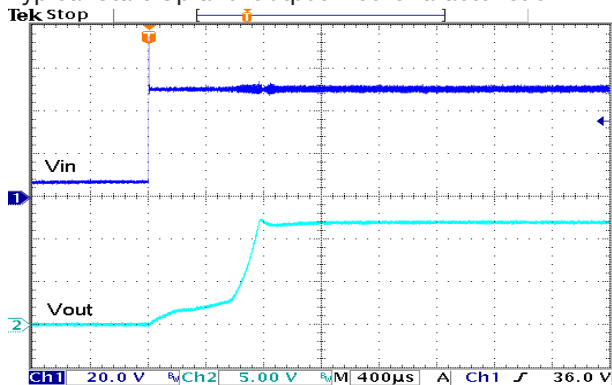
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



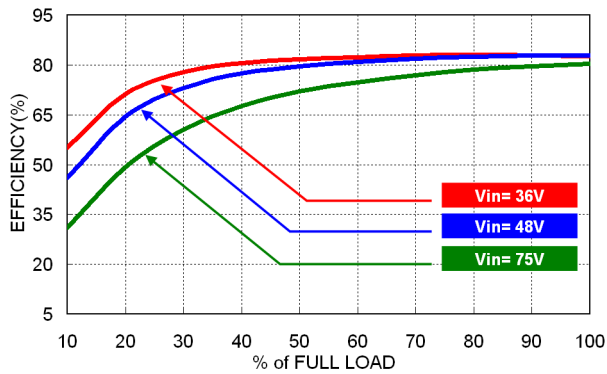
Typical Start-Up and Output Rise Characteristic



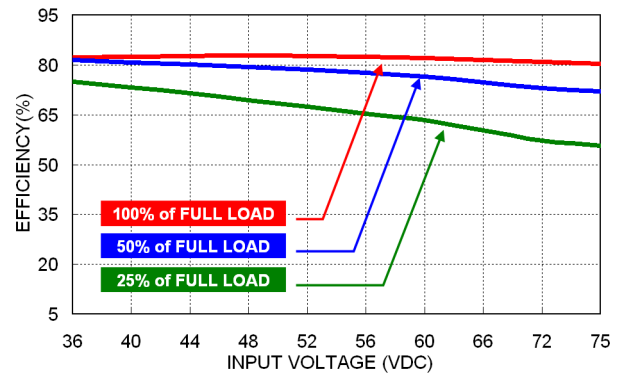
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4813(SM)

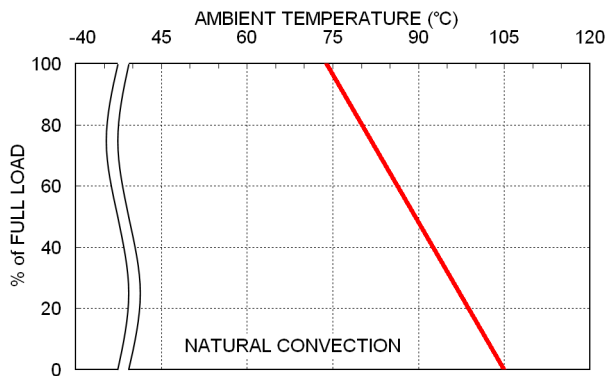
Efficiency versus Output Load



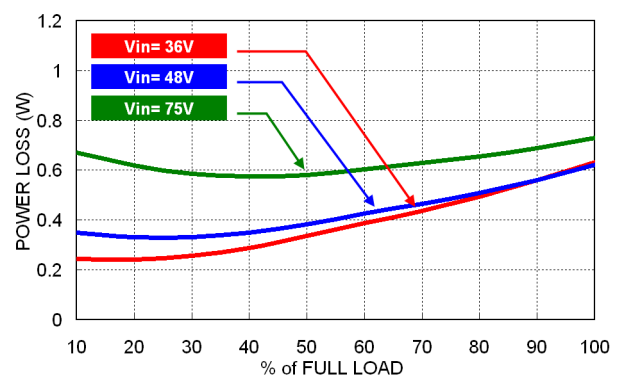
Efficiency versus Input Voltage



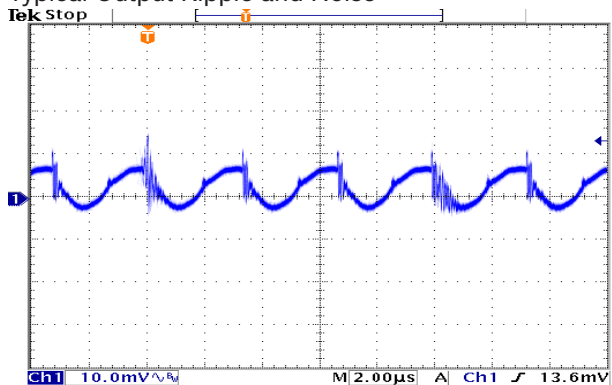
Derating Output Load versus Ambient Temperature



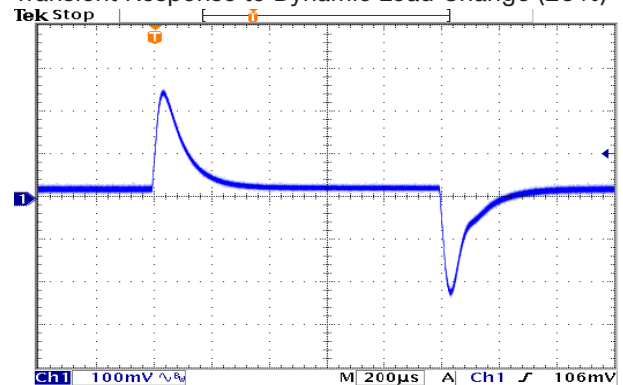
Power Dissipation versus Output Load



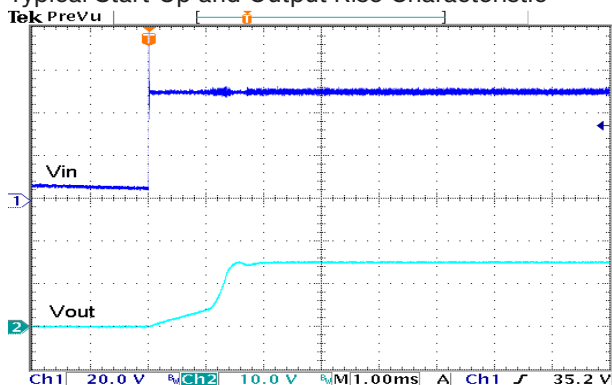
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



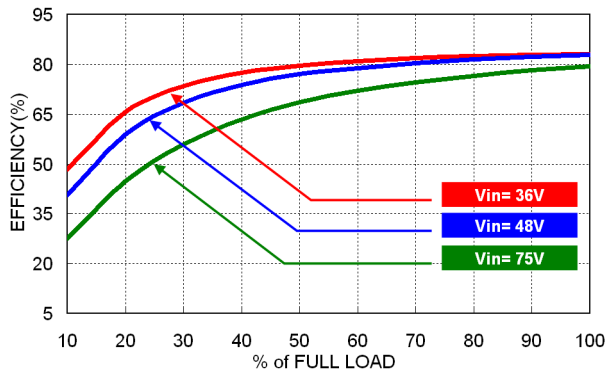
Typical Start-Up and Output Rise Characteristic



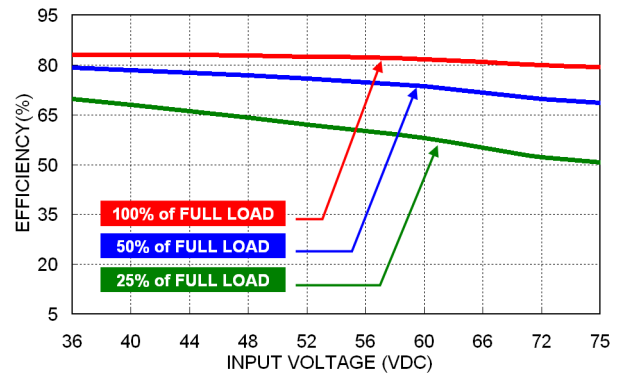
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4815(SM)

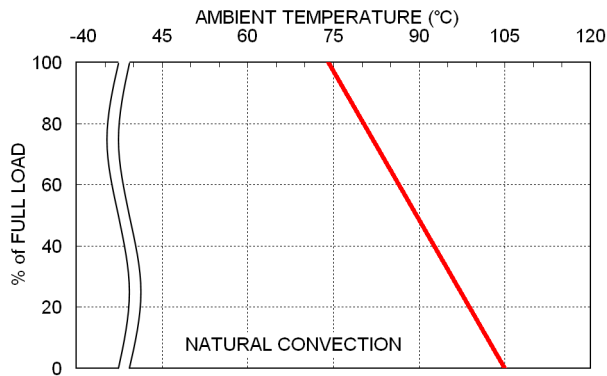
Efficiency versus Output Load



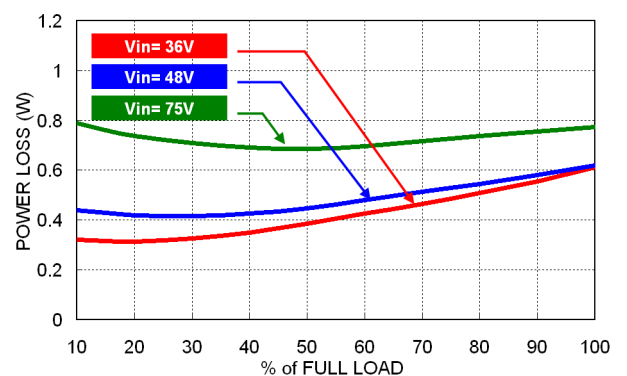
Efficiency versus Input Voltage



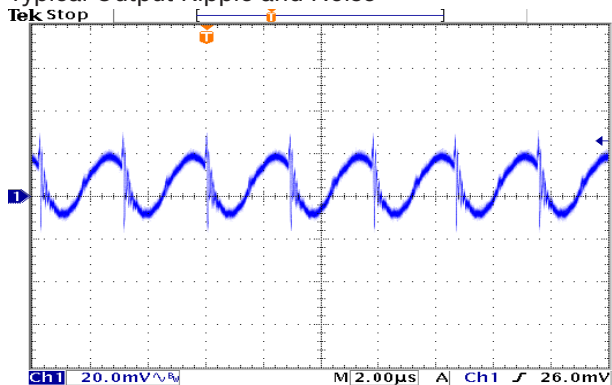
Derating Output Load versus Ambient Temperature



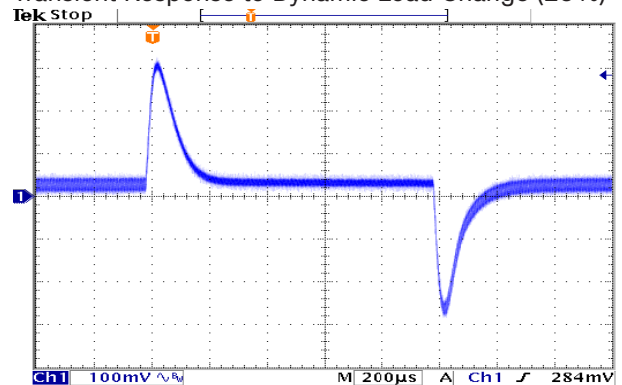
Power Dissipation versus Output Load



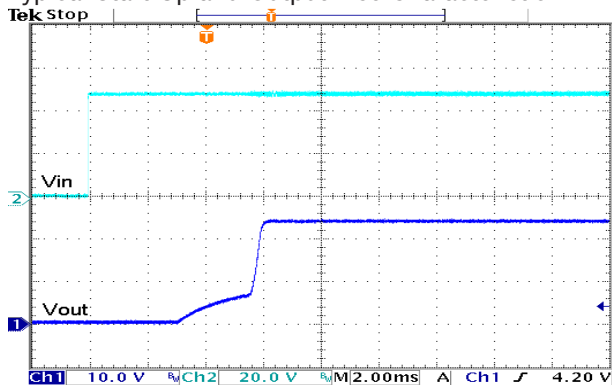
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



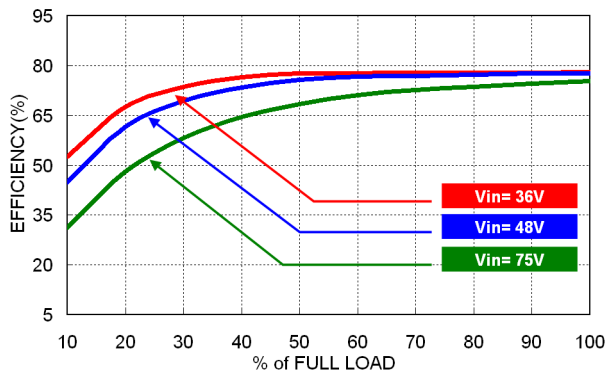
Typical Start-Up and Output Rise Characteristic



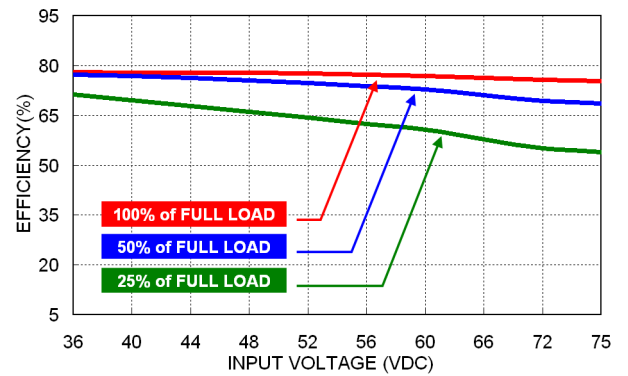
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4821(SM)

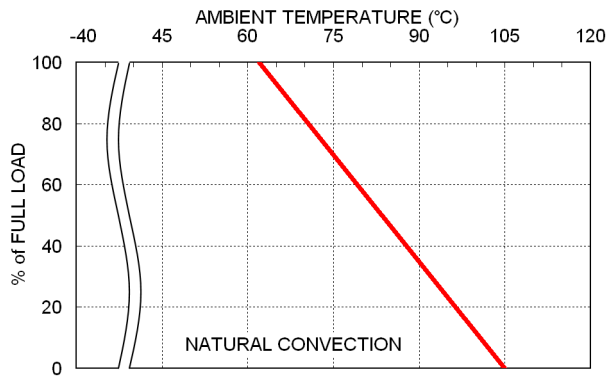
Efficiency versus Output Load



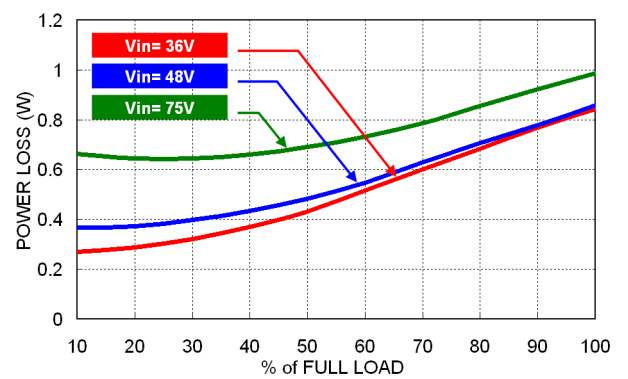
Efficiency versus Input Voltage



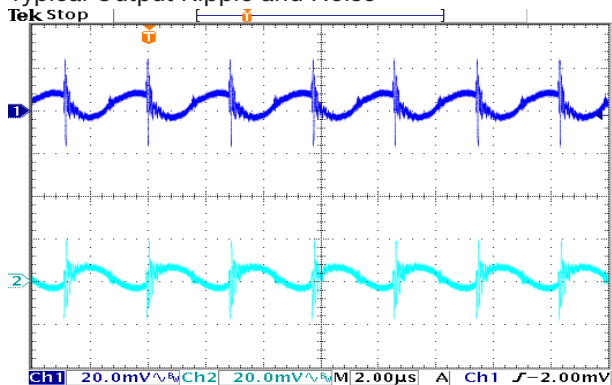
Derating Output Load versus Ambient Temperature



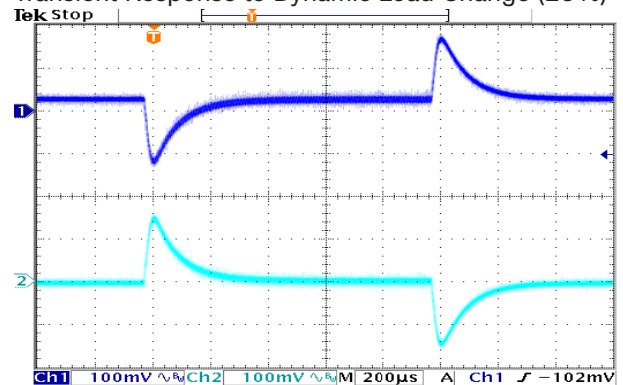
Power Dissipation versus Output Load



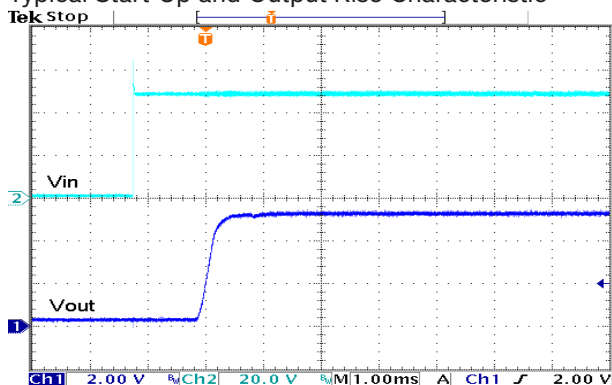
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



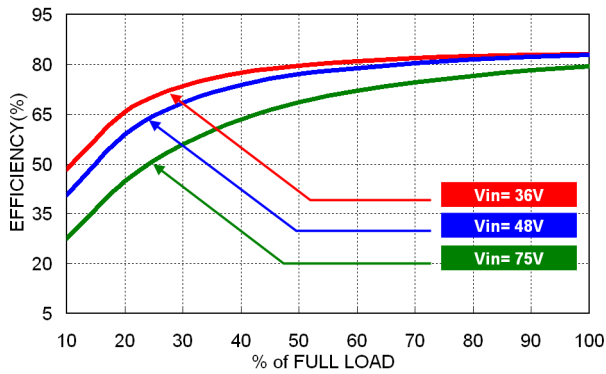
Typical Start-Up and Output Rise Characteristic



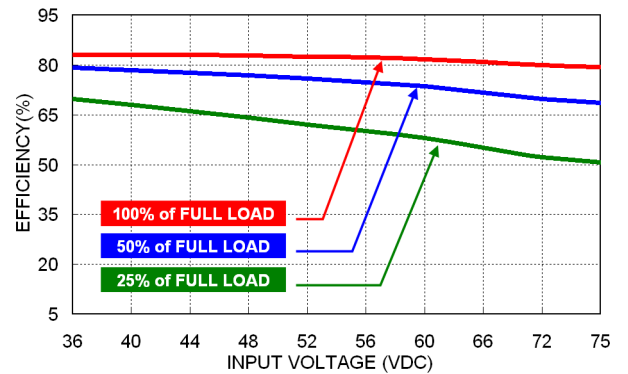
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4822(SM)

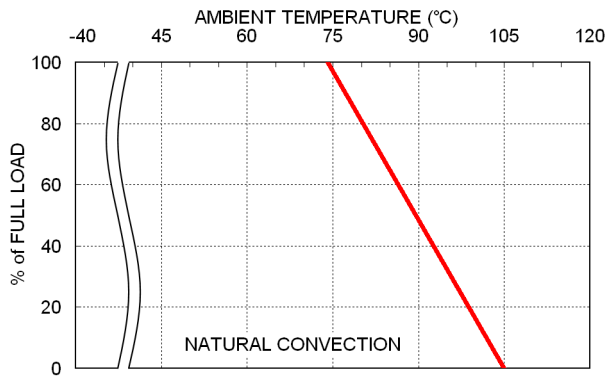
Efficiency versus Output Load



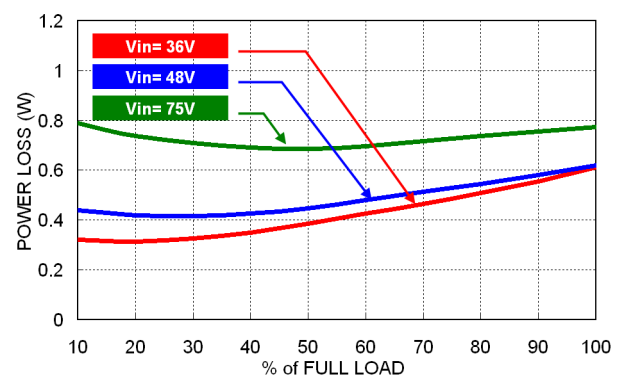
Efficiency versus Input Voltage



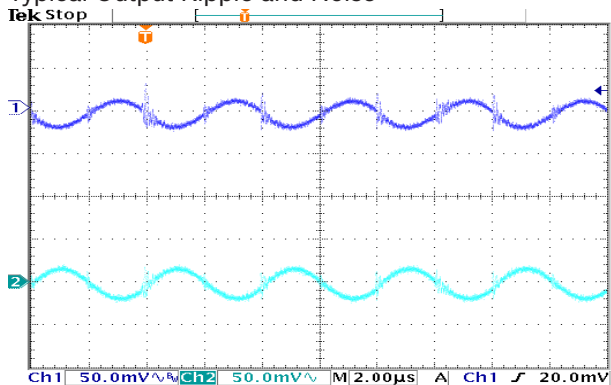
Derating Output Load versus Ambient Temperature



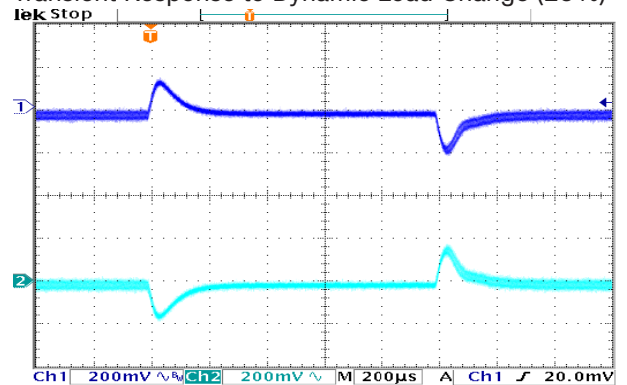
Power Dissipation versus Output Load



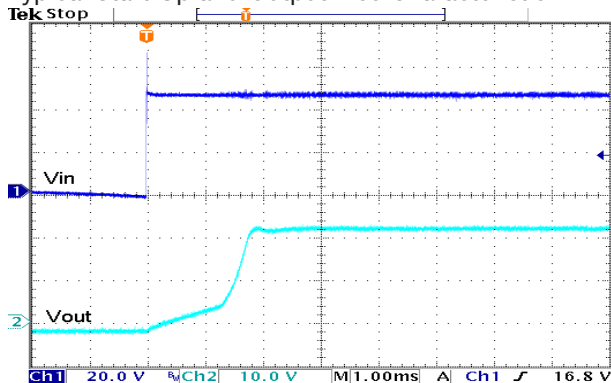
Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



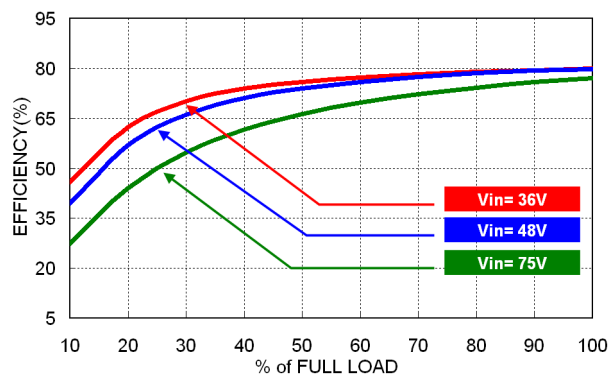
Typical Start-Up and Output Rise Characteristic



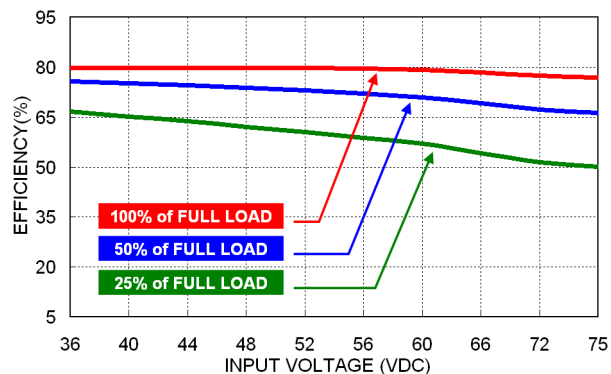
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

TRN 3-4823(SM)

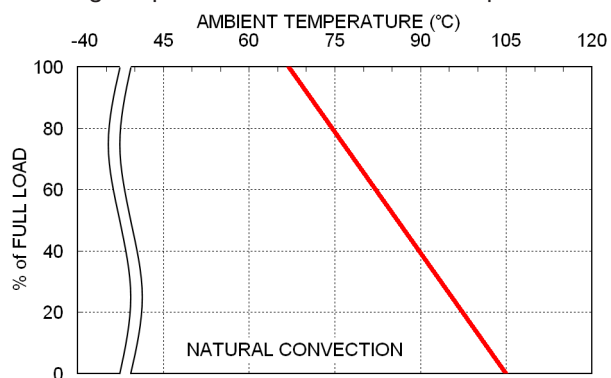
Efficiency versus Output Load



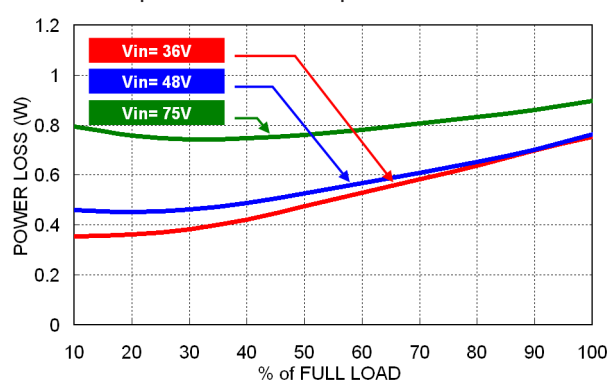
Efficiency versus Input Voltage



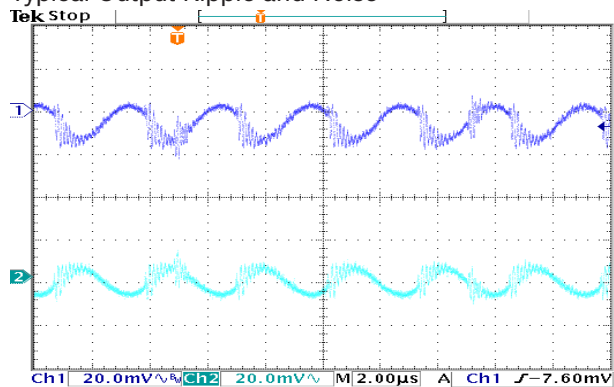
Derating Output Load versus Ambient Temperature



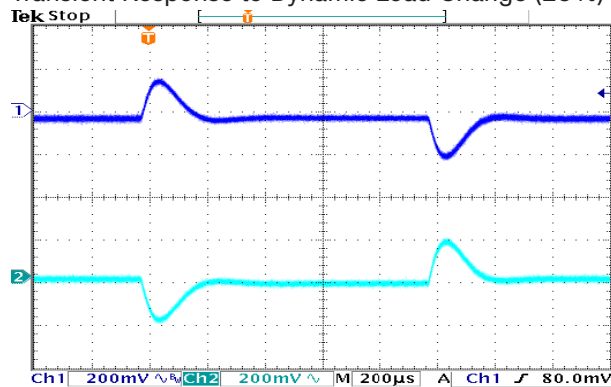
Power Dissipation versus Output Load



Typical Output Ripple and Noise



Transient Response to Dynamic Load Change (25%)



Typical Start-Up and Output Rise Characteristic

