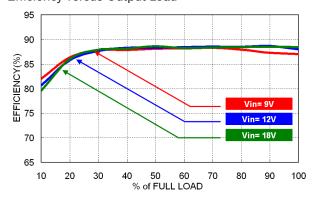


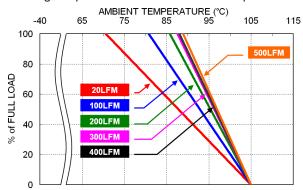
### **Characteristic Curves**

### THN 15-1210N

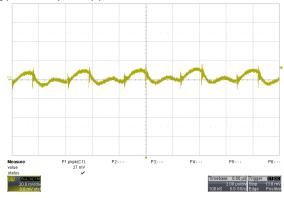
### Efficiency versus Output Load



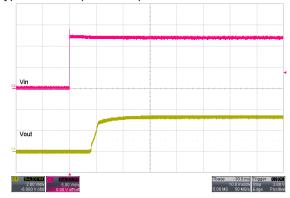
#### Derating Output Load versus Ambient Temperature



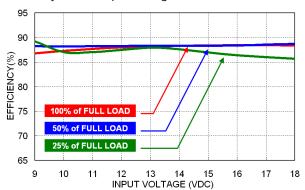
Typical Output Ripple and Noise



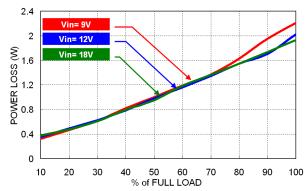
Typical Start-Up and Output Rise Characteristic



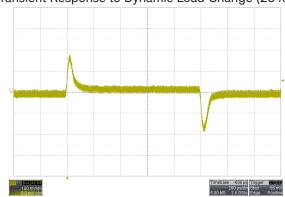
Efficiency versus Input Voltage



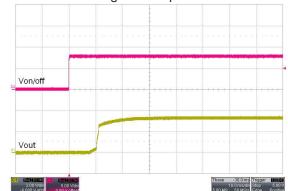
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



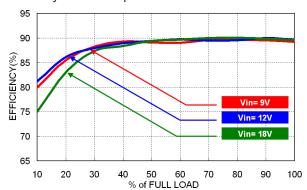
Remote on/off Voltage Start-Up Characteristic



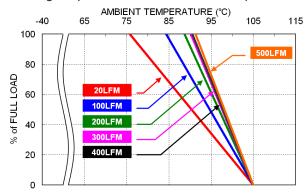
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#### THN 15-1211N

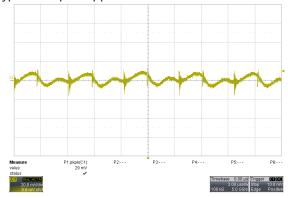
#### Efficiency versus Output Load



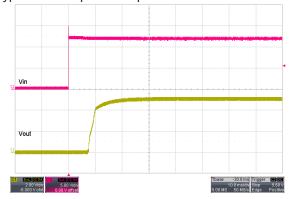
#### Derating Output Load versus Ambient Temperature



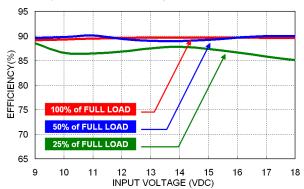
Typical Output Ripple and Noise



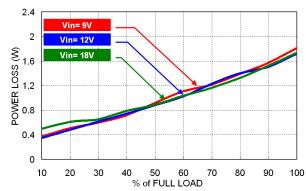
Typical Start-Up and Output Rise Characteristic



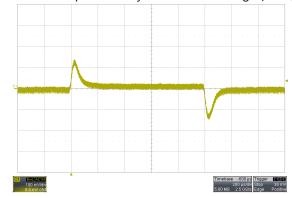
Efficiency versus Input Voltage



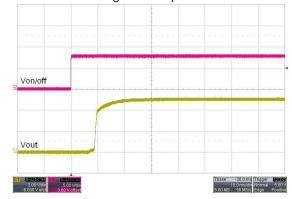
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

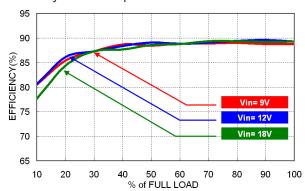


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

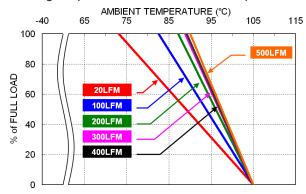
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## THN 15-1212N

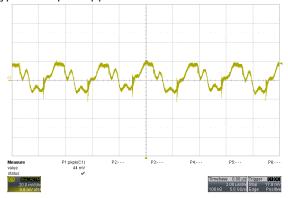
#### Efficiency versus Output Load



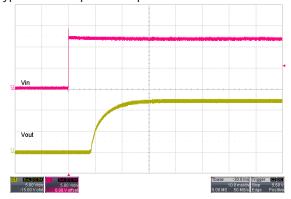
#### Derating Output Load versus Ambient Temperature



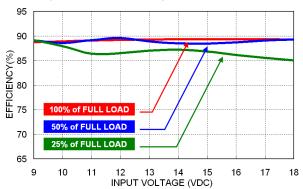
Typical Output Ripple and Noise



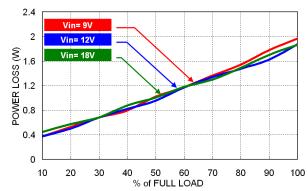
Typical Start-Up and Output Rise Characteristic



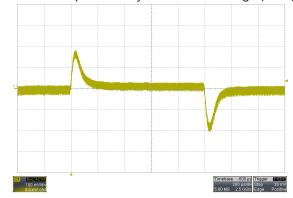
Efficiency versus Input Voltage



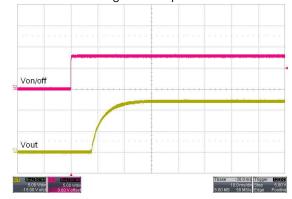
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



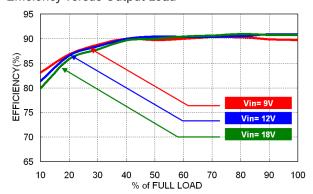
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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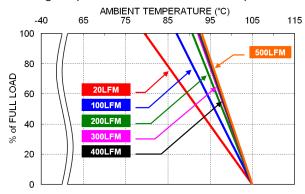


## THN 15-1213N

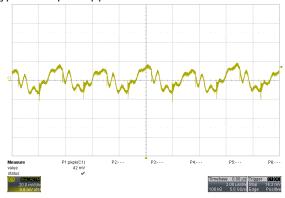
### Efficiency versus Output Load



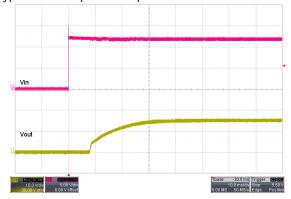
#### Derating Output Load versus Ambient Temperature



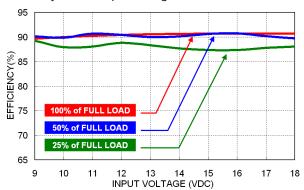
Typical Output Ripple and Noise



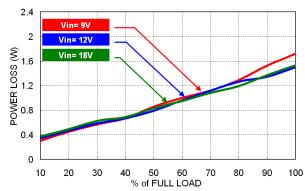
Typical Start-Up and Output Rise Characteristic



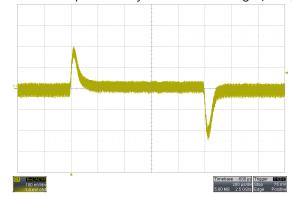
Efficiency versus Input Voltage



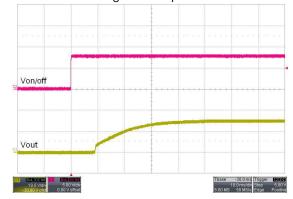
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

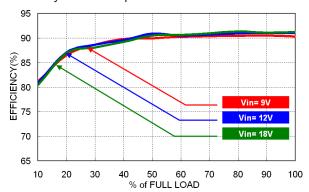


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

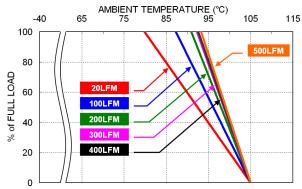
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## THN 15-1215N

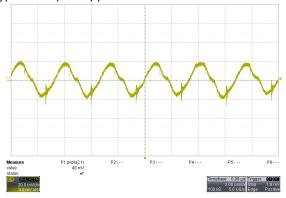
#### Efficiency versus Output Load



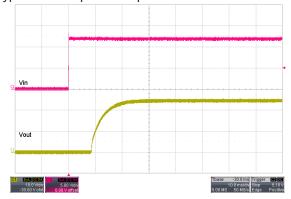
### Derating Output Load versus Ambient Temperature



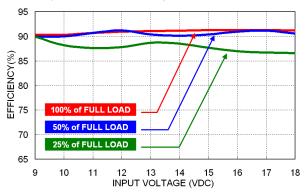
Typical Output Ripple and Noise



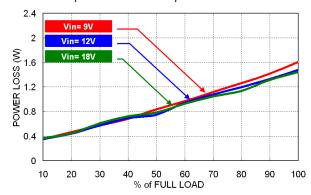
Typical Start-Up and Output Rise Characteristic



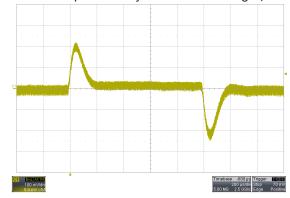
Efficiency versus Input Voltage



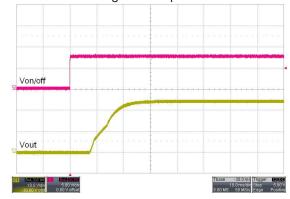
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

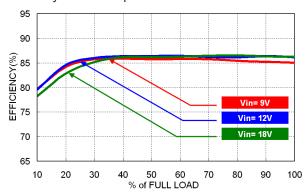


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

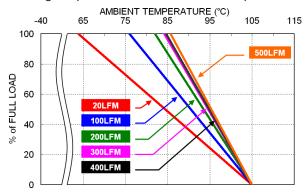
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#### THN 15-1221N

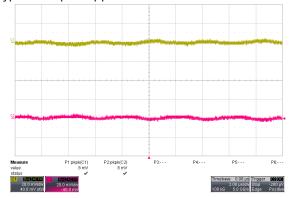
#### Efficiency versus Output Load



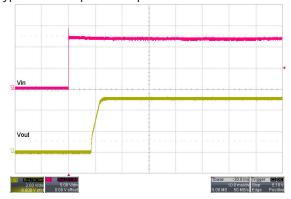
#### Derating Output Load versus Ambient Temperature



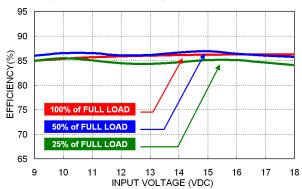
Typical Output Ripple and Noise



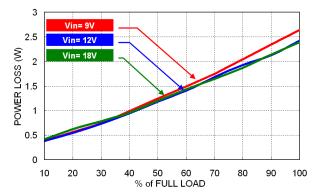
Typical Start-Up and Output Rise Characteristic



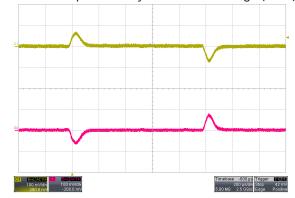
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

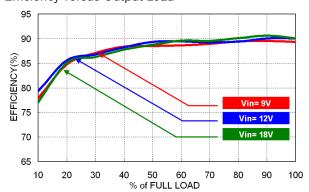


All specifications valid at nominal input voltage, full load and  $\pm 25^{\circ}\text{C}$  after warm-up time unless otherwise stated.

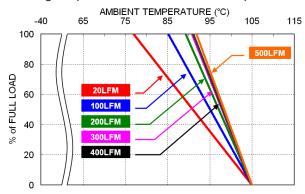
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## THN 15-1222N

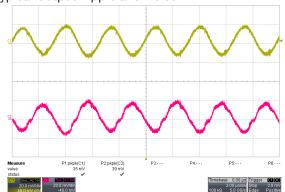
### Efficiency versus Output Load



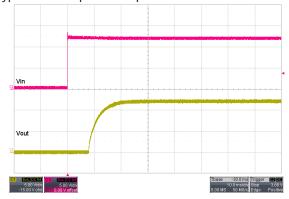
#### Derating Output Load versus Ambient Temperature



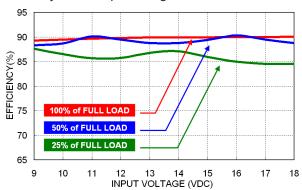
Typical Output Ripple and Noise



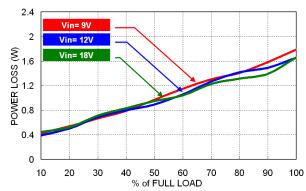
Typical Start-Up and Output Rise Characteristic



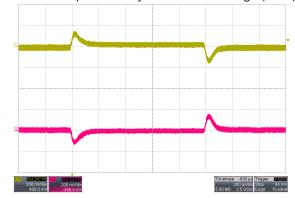
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

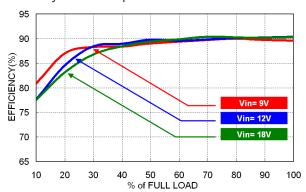


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

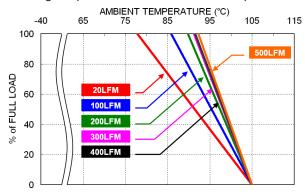
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## THN 15-1223N

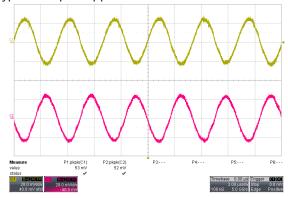
#### Efficiency versus Output Load



#### Derating Output Load versus Ambient Temperature



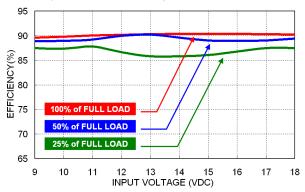
Typical Output Ripple and Noise



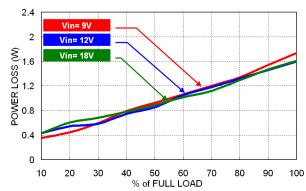
Typical Start-Up and Output Rise Characteristic



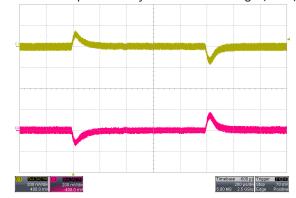
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

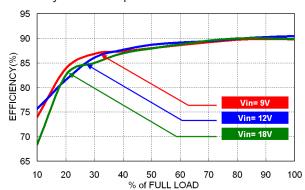


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

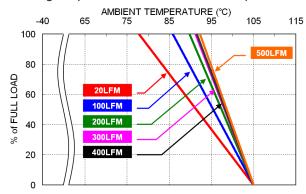
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#### THN 15-1225N

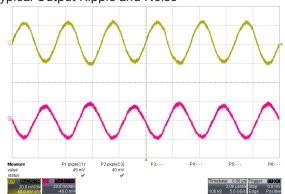
#### Efficiency versus Output Load



#### Derating Output Load versus Ambient Temperature



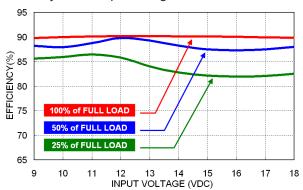
Typical Output Ripple and Noise



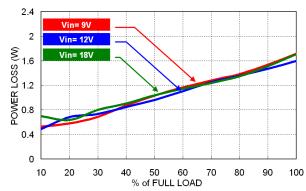
Typical Start-Up and Output Rise Characteristic



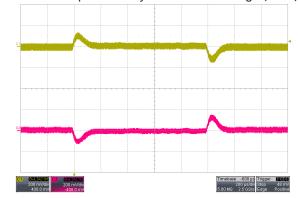
Efficiency versus Input Voltage



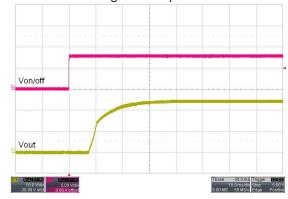
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

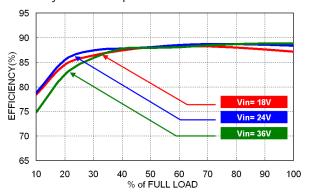


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

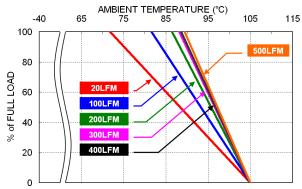
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#### THN 15-2410N

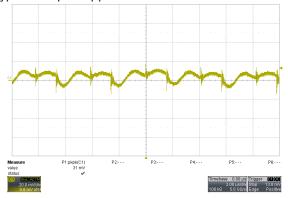
#### Efficiency versus Output Load



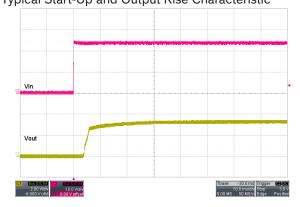
### Derating Output Load versus Ambient Temperature



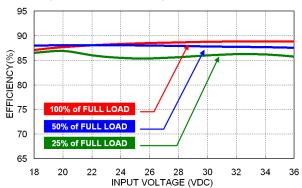
Typical Output Ripple and Noise



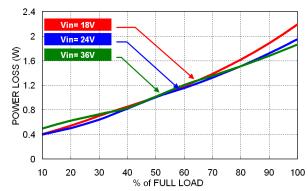
Typical Start-Up and Output Rise Characteristic



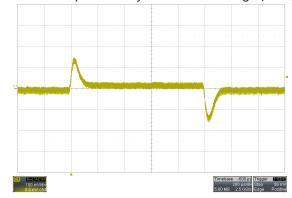
Efficiency versus Input Voltage



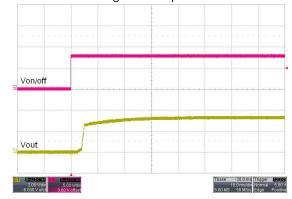
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

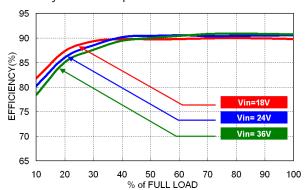


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

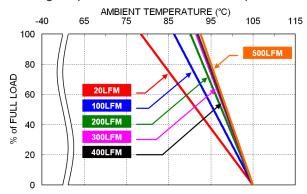
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#### THN 15-2411N

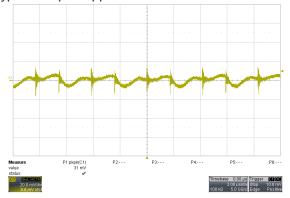
#### Efficiency versus Output Load



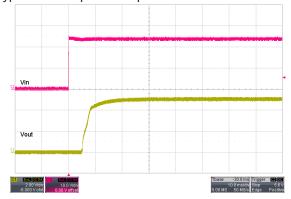
#### Derating Output Load versus Ambient Temperature



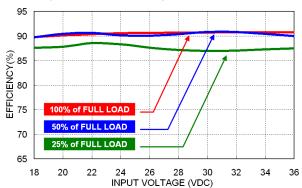
Typical Output Ripple and Noise



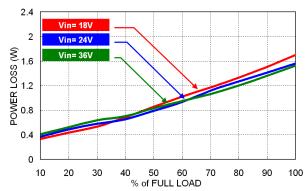
Typical Start-Up and Output Rise Characteristic



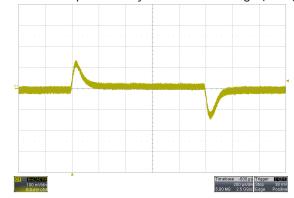
Efficiency versus Input Voltage



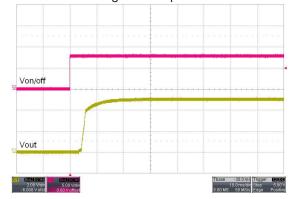
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



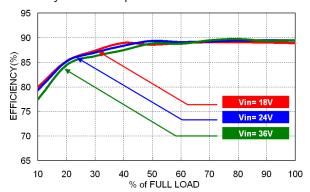
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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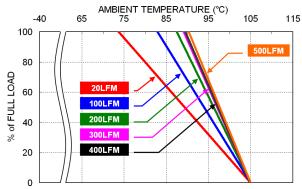


## THN 15-2412N

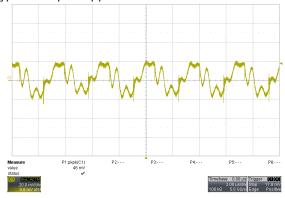
#### Efficiency versus Output Load



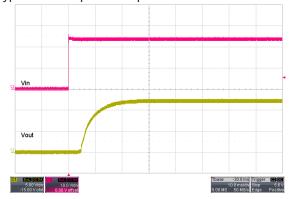
### Derating Output Load versus Ambient Temperature



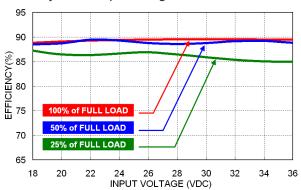
Typical Output Ripple and Noise



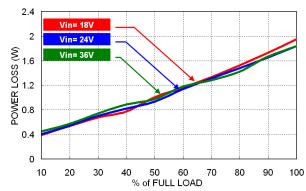
Typical Start-Up and Output Rise Characteristic



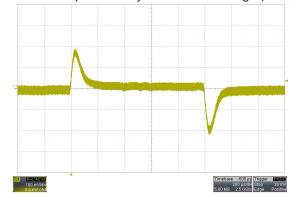
Efficiency versus Input Voltage



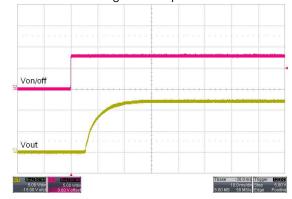
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

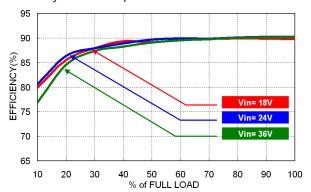


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

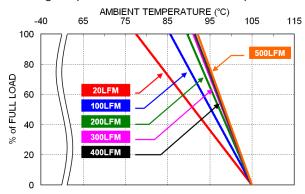
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## THN 15-2413N

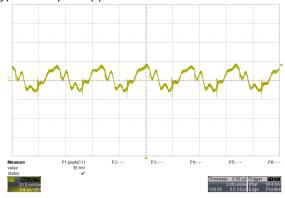
#### Efficiency versus Output Load



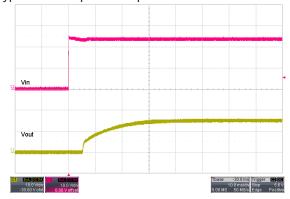
#### Derating Output Load versus Ambient Temperature



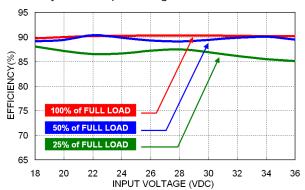
Typical Output Ripple and Noise



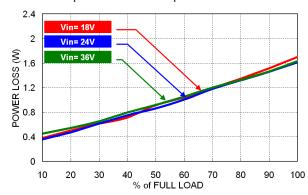
Typical Start-Up and Output Rise Characteristic



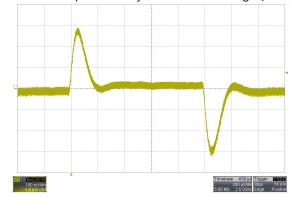
Efficiency versus Input Voltage



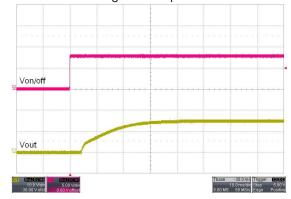
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

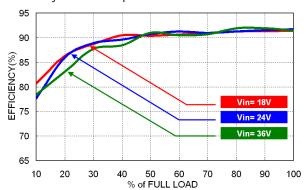


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

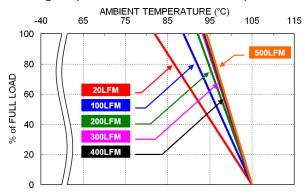
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## THN 15-2415N

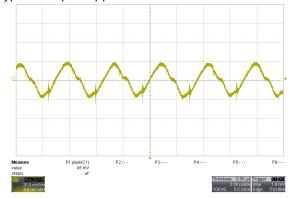
#### Efficiency versus Output Load



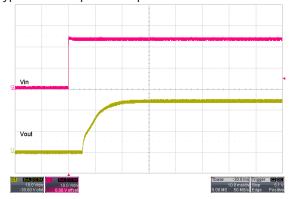
#### Derating Output Load versus Ambient Temperature



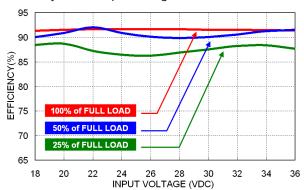
Typical Output Ripple and Noise



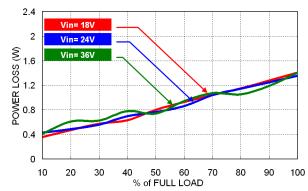
Typical Start-Up and Output Rise Characteristic



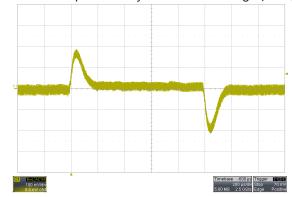
Efficiency versus Input Voltage



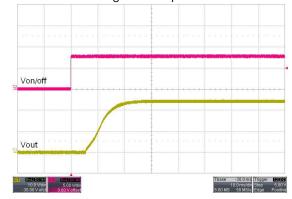
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

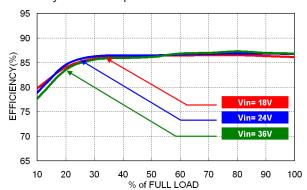


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

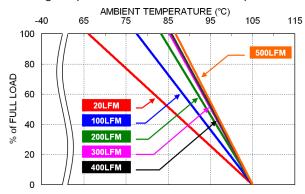
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#### THN 15-2421N

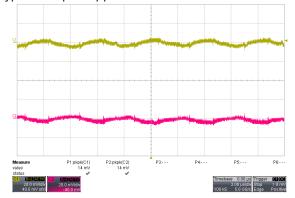
#### Efficiency versus Output Load



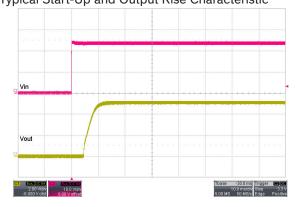
#### Derating Output Load versus Ambient Temperature



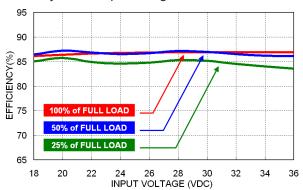
Typical Output Ripple and Noise



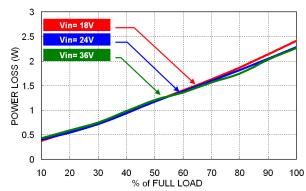
Typical Start-Up and Output Rise Characteristic



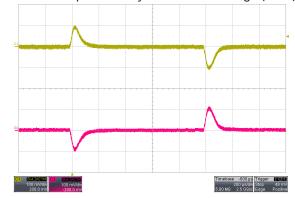
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



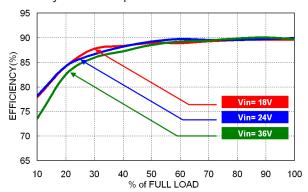
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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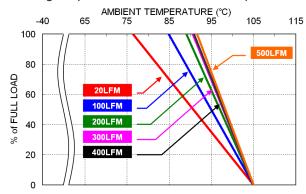


## THN 15-2422N

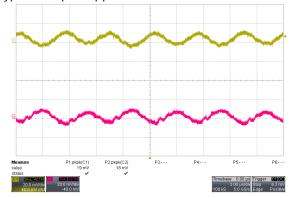
#### Efficiency versus Output Load



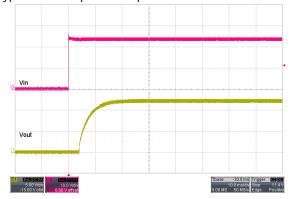
#### Derating Output Load versus Ambient Temperature



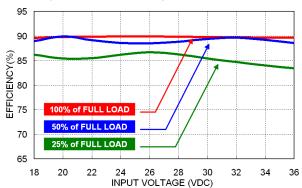
Typical Output Ripple and Noise



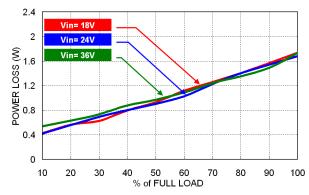
Typical Start-Up and Output Rise Characteristic



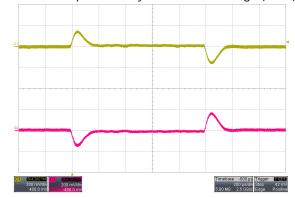
Efficiency versus Input Voltage



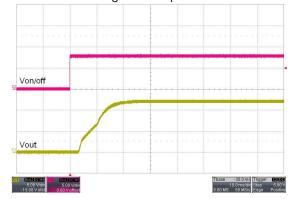
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

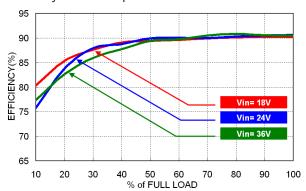


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

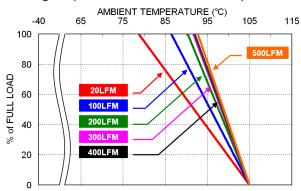
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#### THN 15-2423N

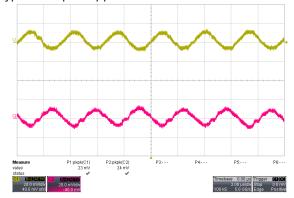
#### Efficiency versus Output Load



### Derating Output Load versus Ambient Temperature



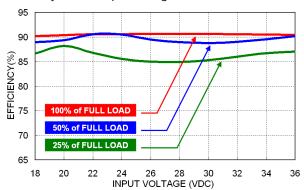
Typical Output Ripple and Noise



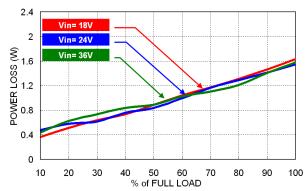
Typical Start-Up and Output Rise Characteristic



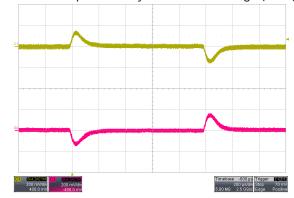
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

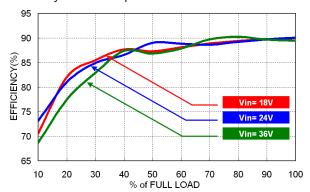


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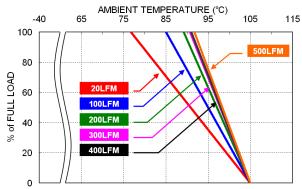
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#### THN 15-2425N

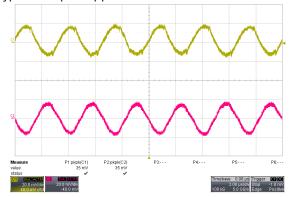
#### Efficiency versus Output Load



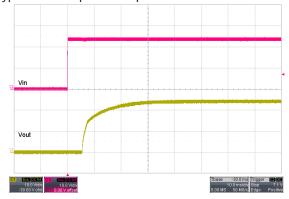
### Derating Output Load versus Ambient Temperature



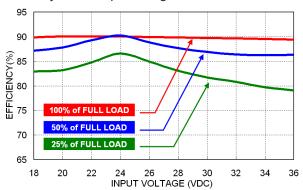
Typical Output Ripple and Noise



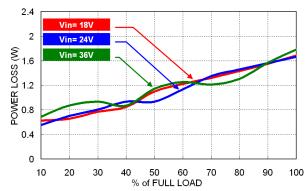
Typical Start-Up and Output Rise Characteristic



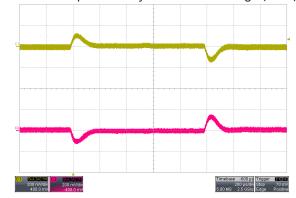
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



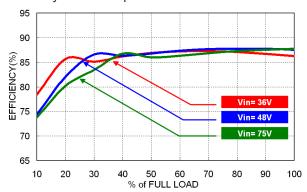
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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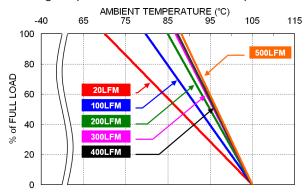


#### THN 15-4810N

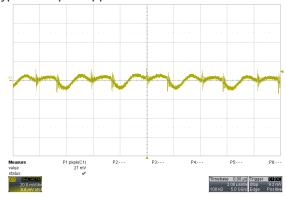




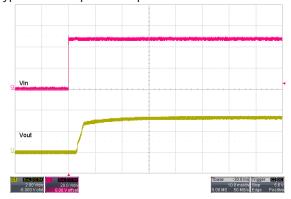
#### Derating Output Load versus Ambient Temperature



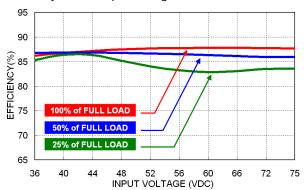
Typical Output Ripple and Noise



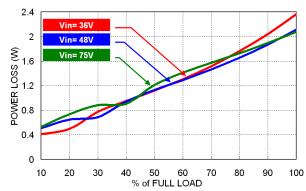
Typical Start-Up and Output Rise Characteristic



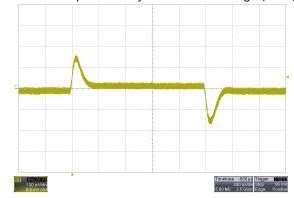
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



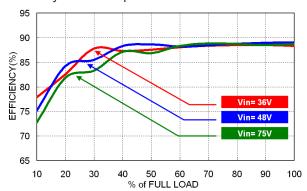
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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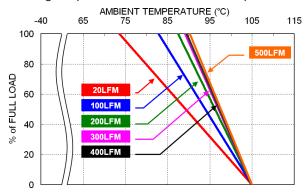


#### THN 15-4811N

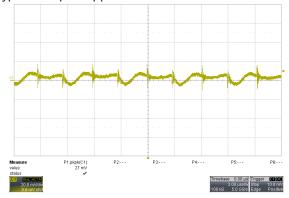
#### Efficiency versus Output Load



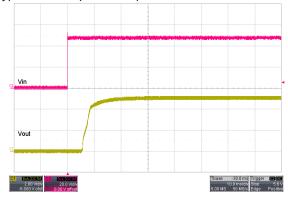
#### Derating Output Load versus Ambient Temperature



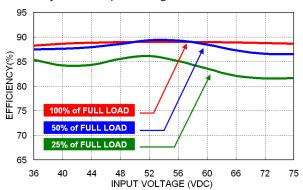
Typical Output Ripple and Noise



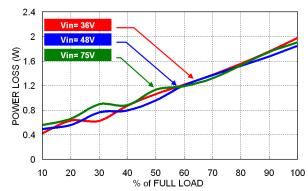
Typical Start-Up and Output Rise Characteristic



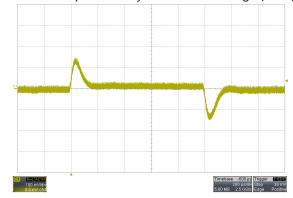
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



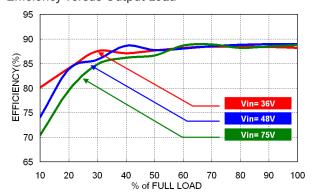
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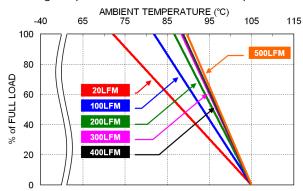


#### THN 15-4812N

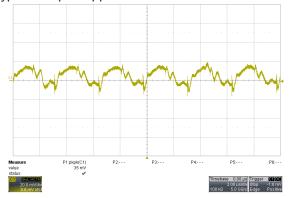
#### Efficiency versus Output Load



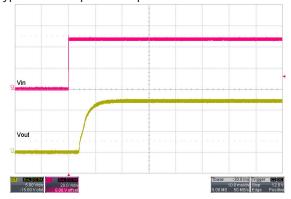
### Derating Output Load versus Ambient Temperature



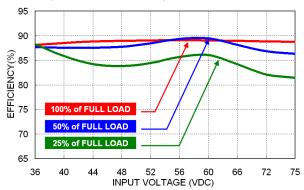
Typical Output Ripple and Noise



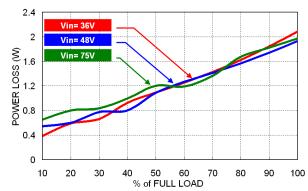
Typical Start-Up and Output Rise Characteristic



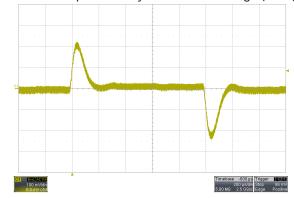
Efficiency versus Input Voltage



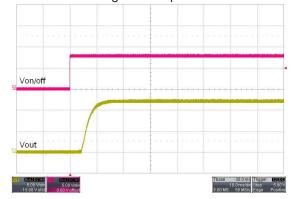
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

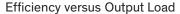


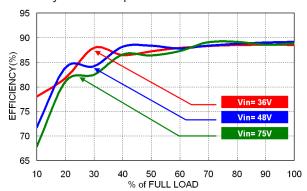
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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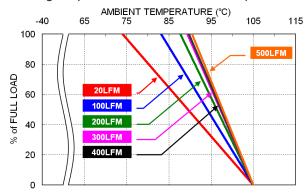


#### THN 15-4813N

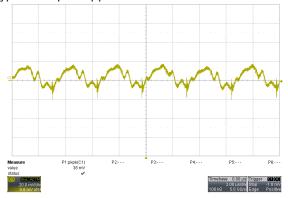




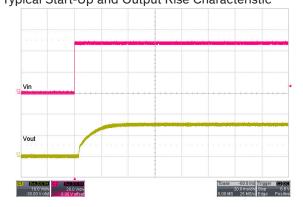
#### Derating Output Load versus Ambient Temperature



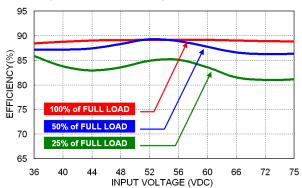
Typical Output Ripple and Noise



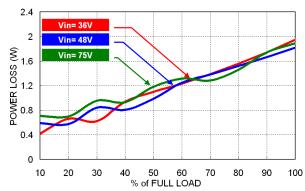
Typical Start-Up and Output Rise Characteristic



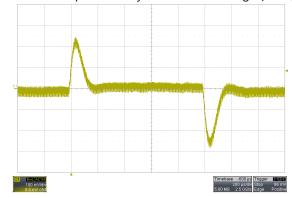
Efficiency versus Input Voltage



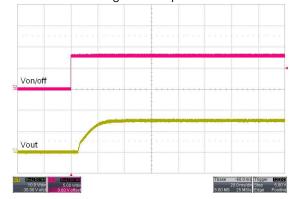
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



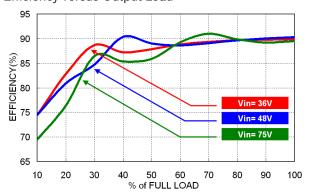
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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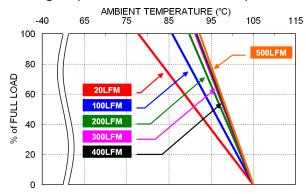


#### THN 15-4815N

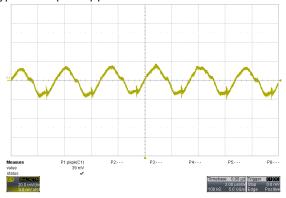
### Efficiency versus Output Load



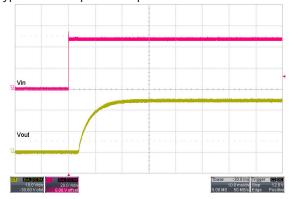
#### Derating Output Load versus Ambient Temperature



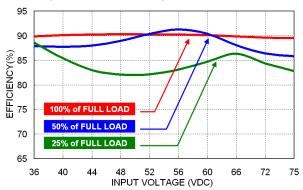
Typical Output Ripple and Noise



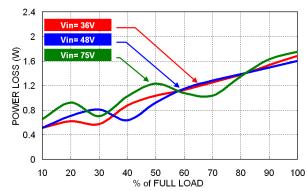
Typical Start-Up and Output Rise Characteristic



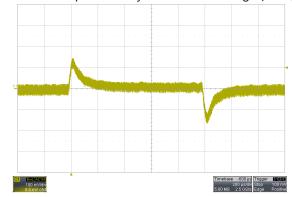
Efficiency versus Input Voltage



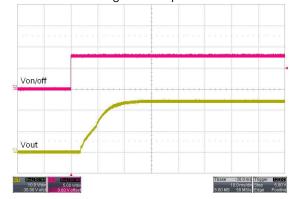
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

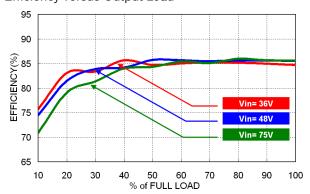


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

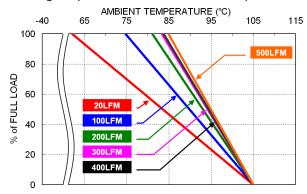
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#### THN 15-4821N

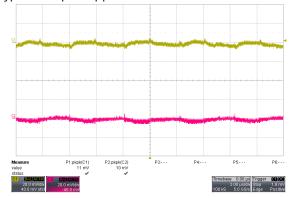
### Efficiency versus Output Load



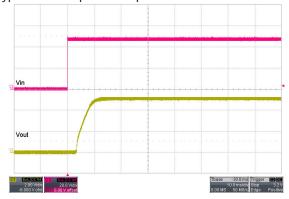
Derating Output Load versus Ambient Temperature



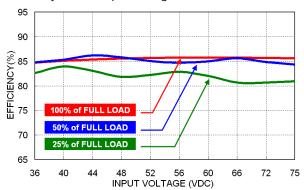
Typical Output Ripple and Noise



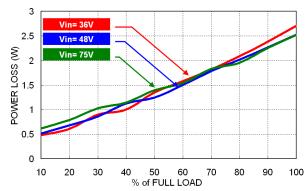
Typical Start-Up and Output Rise Characteristic



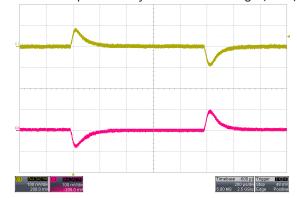
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



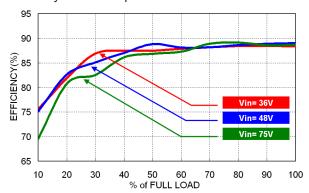
All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

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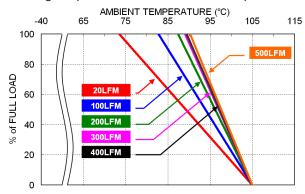


#### THN 15-4822N

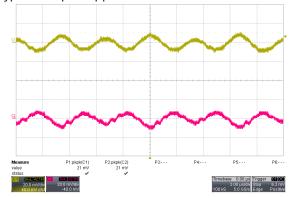
#### Efficiency versus Output Load



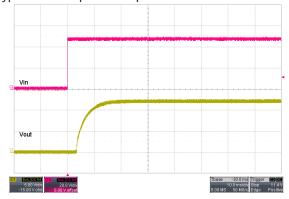
#### Derating Output Load versus Ambient Temperature



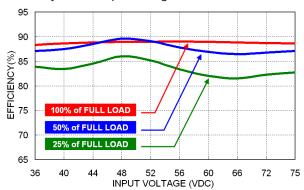
Typical Output Ripple and Noise



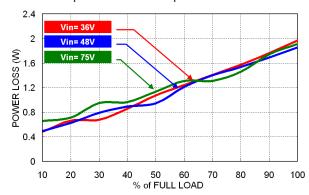
Typical Start-Up and Output Rise Characteristic



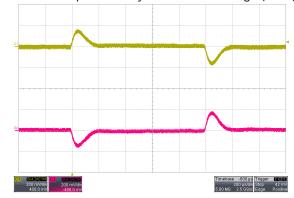
Efficiency versus Input Voltage



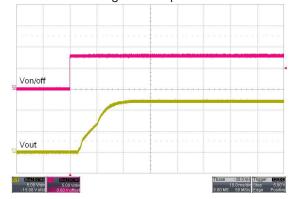
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

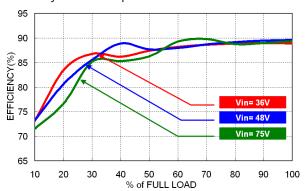


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

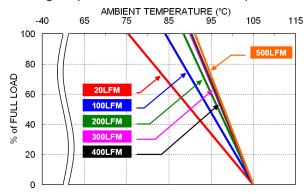
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#### THN 15-4823N

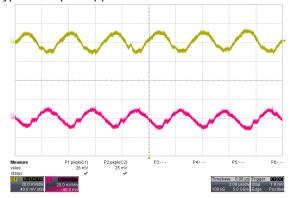
#### Efficiency versus Output Load



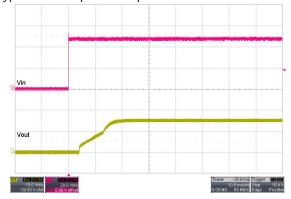
#### Derating Output Load versus Ambient Temperature



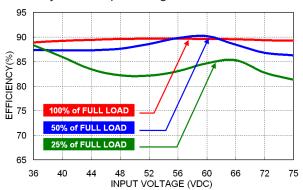
Typical Output Ripple and Noise



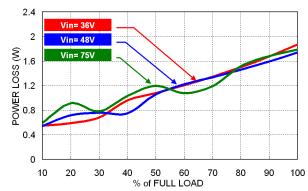
Typical Start-Up and Output Rise Characteristic



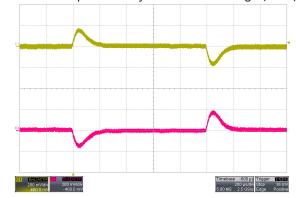
Efficiency versus Input Voltage



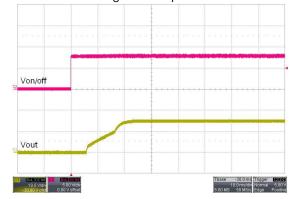
Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic

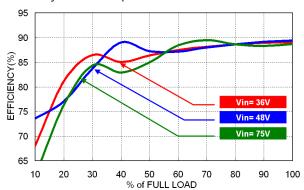


All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

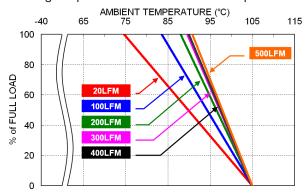
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### THN 15-4825N

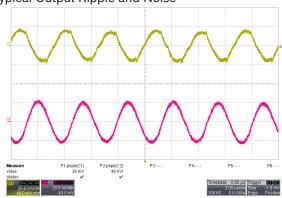
#### Efficiency versus Output Load



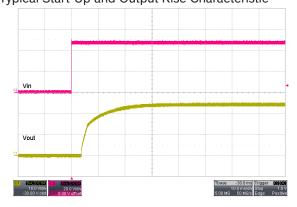
#### Derating Output Load versus Ambient Temperature



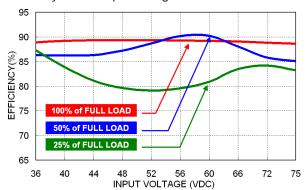
Typical Output Ripple and Noise



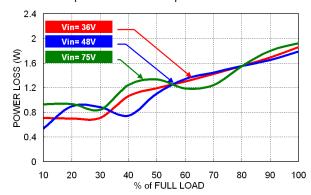
Typical Start-Up and Output Rise Characteristic



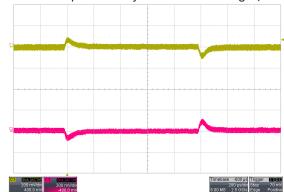
Efficiency versus Input Voltage



Power Dissipation versus Output Load



Transient Response to Dynamic Load Change (25%)



Remote on/off Voltage Start-Up Characteristic



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