



- 40-125W Isolated Output
- Quarter Brick Package
- Regulated Outputs
- Efficiency to 92%
- 1500VDC Isolation
- Input Under Voltage Protection
- Over Current Protection
- Over Temperature Protection
- Remote On/Off Control

NOTE: 1. Nominal Input Voltage 48 VDC

INPUT SPECIFICATIONS:

Input Voltage Range	48V	36 – 75V
Under voltage lockout	power up	35V typ.
	power down	33V typ.
Positive Logic Remote on/off Control (see Note4 & 5)		
Input Filter		PI Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....	±1.0% max.
Transient Response :25% Step Load Change.....	<500u sec.
Ripple and Noise, 20MHz BW	100mV p-p max.
5V / 12Vout.....	120mV p-p max.
Temperature Coefficient.....	±0.03%/C max.
Short Circuit Protection.....	Continuous / Hiccup
Line Regulation ¹	± 0.2% max.
Load Regulation ²	±0.5% max.
Over Voltage Protection Trip Range, %Vo nom.....	115%-140%
External Trim Adj. Range ⁶	±10%
Current Limit.....	110% - 150% Nominal Output

GENERAL SPECIFICATIONS:

Efficiency.....	See Table
Isolation Voltage.....	1500 VDC min.
Isolation Resistance	10 ⁹ Ohms min.
Switching Frequency	200KHz typ.
3.3V/2.5Vout.....	250KHz typ.
5V/12Vout.....	300KHz typ.
Over Temperature Protection	120°C typ.
Operating Ambient Temperature Range.....	-40°C to +85°C
Power Derating Curve.....	Refer to Application Note.
Storage Temperature Range	-40°C to +125°C
Dimensions.....	2.30 x 1.45 x 0.42 inches (58.4 x 36.8 x 10.6 mm)
Weight.....	40g

NOTE:

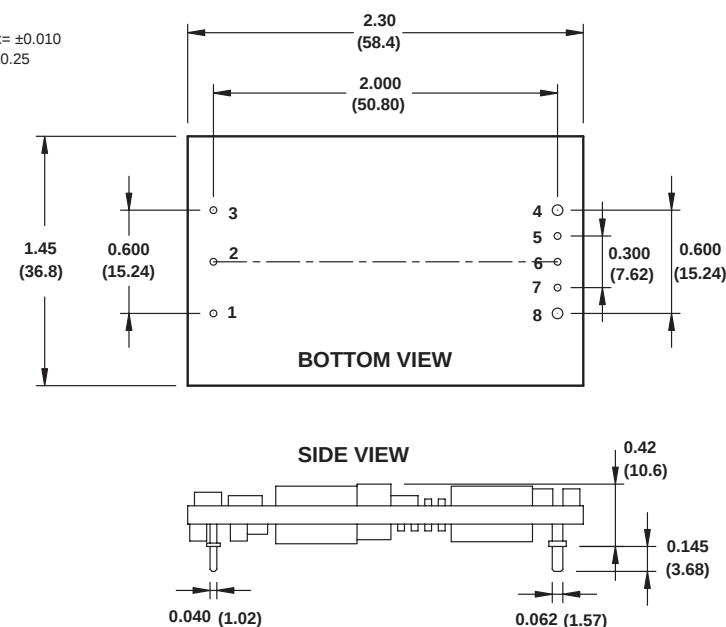
1. Measured From High Line to Low Line
2. Measured From Full Load to Zero Load
3. The output ripple and noise is measured with 10uF tantalum and 1uF Ceramic capacitor across output.
4. Logic Compatibility Open Collector ref to -Input
 Module ON Open Circuit
 Module OFF < 1.2Vdc
5. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF
 Module ON < 1.2Vdc
 Module OFF Open Circuit
6. Trim-up.....Connect a Resistor Between the Trim Pin and+Sense
 Trim-Down.....Connect a Resistor Between the Trim Pin and-Sense

Figure 10 is a line graph showing Output Current (A) on the Y-axis (ranging from 5 to 35) versus Ambient Temperature (°C) on the X-axis (ranging from 25 to 80). The graph displays four curves representing different load resistances: 20LFM, 100LFM, 200LFM, and 300LFM. The output current decreases as the ambient temperature increases for all load resistances.

Ambient Temperature (°C)	20LFM (A)	100LFM (A)	200LFM (A)	300LFM (A)
25	28	32	35	35
30	25	30	33	33
35	22	28	31	31
40	19	26	29	29
45	16	24	27	27
50	13	22	25	25
55	10	20	23	23
60	7	18	21	21
65	4	16	19	19
70	1	14	17	17
75	-	12	15	15
80	-	10	13	13

<i>Pin</i>	<i>Function</i>
1	+V Input
2	ON/OFF
3	-V Input
4	-V Output
5	-Sense
6	Trim
7	+Sense
8	+Vout

All Dimensions In Inches(mm)
Tolerance Inches: x.xx= ± 0.02 , x.xxx= ± 0.010
 Millimeters: x.x= ± 0.5 , x.xx= ± 0.25



All Specifications Typical At Nominal Line, Full Load and 25°C Unless Otherwise Noted.