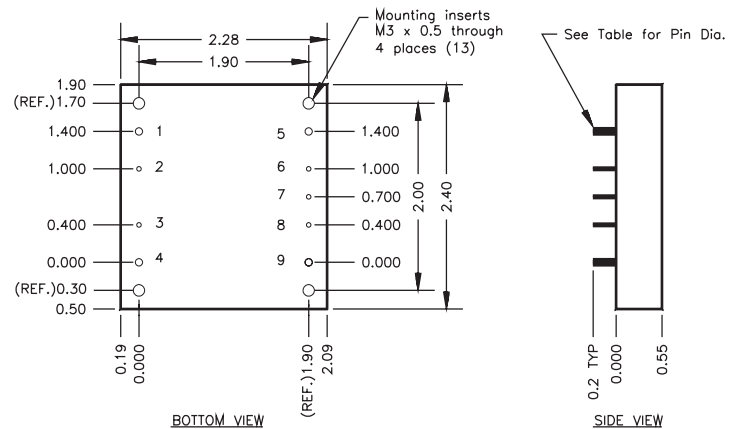


100 WATT HEW SINGLE SERIES DC/DC CONVERTERS



General Specifications			
All Models			Units
ON/OFF Function			
HIGH Logic Level or Leave ON/OFF Pin Open	MIN	3.0	VDC
External Leakage Current Allowed for Logic High (9)	MAX	10	µA
Input Diode Protection Voltage	MAX	50	VDC
LOW Logic Level or Tie ON/OFF Pin to -INPUT	MAX	1.0	VDC
Sinking Current for Logic Low	MAX	500	µA
Open Circuit Voltage at ON/OFF Pin (10)	TYP	2.3	VDC
Positive Logic	TYP	1.5	VDC
Negative Logic			
Output Resistance	TYP	3	k Ω
Idle Current (Module is OFF)	TYP	8	mADC
Turn-on Time to 1% error	TYP	60	ms
Positive Logic Option	HIGH - Module ON LOW - Module OFF		
Negative Logic Option	HIGH - Module OFF LOW - Module ON		
Output Voltage Remote Sensing			
Maximum Voltage Drops on Leads	MAX	10	%
Line Regulation under remote sensing	TYP MAX	0.02 0.1	%
Load Regulation under remote sensing	TYP MAX	0.05 0.2	%
Output Voltage Trim			
Trim Range	MIN MAX	-10 +10	% of Vout
Input Resistance	TYP	10	kΩ
Open Circuit Voltage	TYP	2.5	V
Trim Limit			
Maximum Output Voltage	MAX	110	% of Vout
Isolation			
Input to Output Isolation 10µA Leakage Vnom = 24V Vnom = 48V	MAX MAX	700 1544	VDC VDC
Input to Output Resistance	MIN	10	MΩ
Input to Output Capacitance	TYP	1600	pF
Environmental			
Calculated MTBF, Bellcore Method 1, Case 1		>1,000,000	h
Baseplate Operating Temperature Range	MIN MAX	-40 100	°C
Storage Temperature	MIN MAX	-40 120	°C
Thermal Impedance (11)	TYP	7	°C/W
Thermal Shutdown Baseplate Temperature (Auto Restart)	MIN TYP	100 110	°C

General Specifications			
All Models			Units
General			
Unit Weight	TYP	4.6/114	oz/g
Case Dimension	2.4" x 2.28" x 0.55"		
Torque on Mounting Inserts	MAX	12 in. lbs.	
Agency Approvals			
UL	IEC 60950-1, EN60950-1		
Chassis Mounting Kit	MS21		



TOLERANCE: ALL DIMENSIONS ARE TYPICAL IN INCHES UNLESS OTHERWISE NOTED:	
X.XX	±0.020
X.XXX	±0.005

Pin	Name	24Vin Pin Dia.	48Vin Pin Dia.
1	-INPUT	0.08"	0.04"
2	CASE	0.04"	0.04"
3	ON/OFF	0.04"	0.04"
4	+INPUT	0.08"	0.04"
5	-OUTPUT	0.08"	0.08"
6	-SENSE	0.04"	0.04"
7	TRIM	0.04"	0.04"
8	+ SENSE	0.04"	0.04"
9	+ OUTPUT	0.08"	0.08"

