

ZXE4875

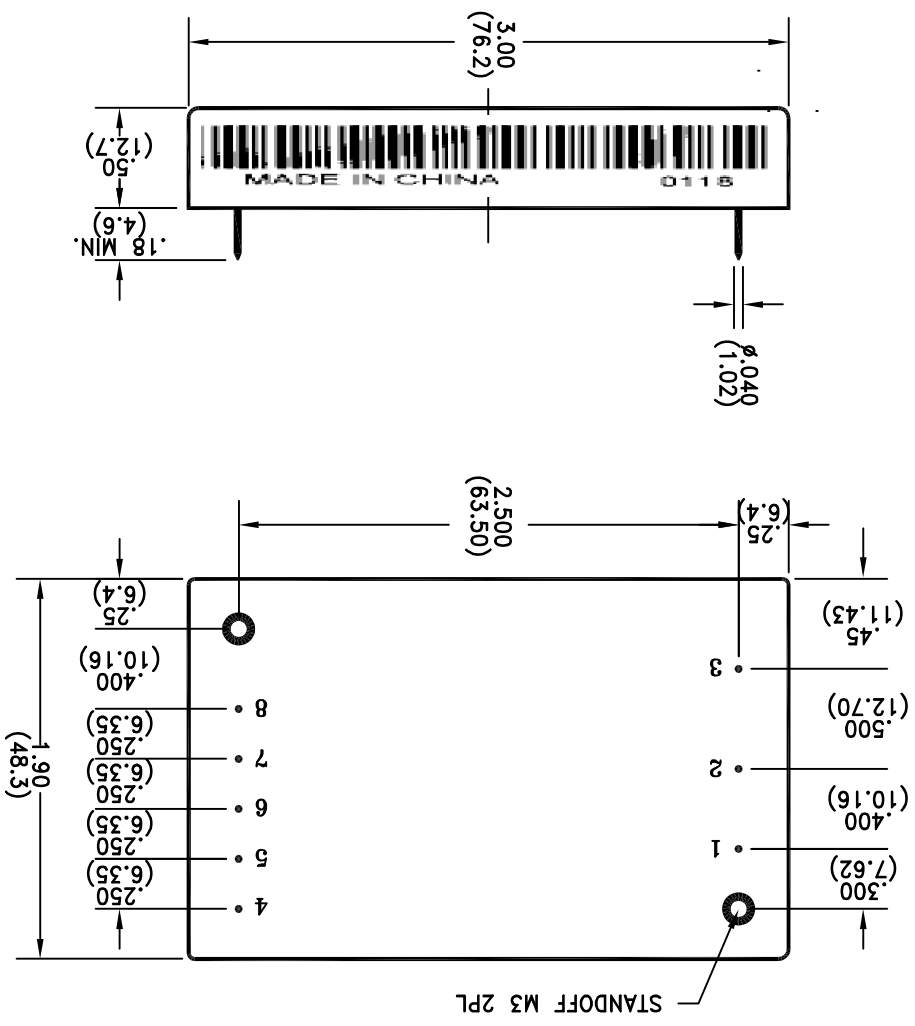
Product Specifications

100 Watt DC/DC Converter

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS	NOTES
INPUT						
Input voltage range	36	48	72	V		All specifications typical at +25°C, nominal line, and full load unless otherwise noted. Specifications subject to change without notice.
Input Current			1.6	A		
Reflected Ripple Current		50		mAp-p	20mhz BW Note1	
OUTPUT						
Output Voltage		75.0		V		1. Consult factory for measurement details.
Set Point Accuracy		±1	%Vout		Nominal Vout	
Output Voltage Trim Range		±10	%Vout			
Rated Output Current			1.33	A		
Current Limit Inception Point	110		130	%Iout		
Load Regulation			±0.5	%Vout	10 to 100% Load	
Line Regulation			±0.5	%Vout	LL to HL	
Ripple & Noise			350	mVp-p	100mhz BW Note1	
Transient Response						
Recovery Time			500	µS	25% Load Step	
Peak Deviation			8.	%Vout		
GENERAL						
Efficiency*		89		%		* Efficiency Measured at nominal line & full load condition. For detail see Efficiency Chart.
Switching Frequency		300		Khz		
Startup Time			50	mS	Resistive Load	
Remote ON/OFF						
Turn On			3.5	V		
Turn Off	1.8			V		
Isolation Voltage						
Input to Output	500			V		
Isolation Resistance	10			MΩ		
Capacitance			1800	pF		
MTBF					Consult Factory	
ENVIRONMENTAL						
Case Operating Temperature	-25		+85	°C		Non-Condensing Three Orthogonal Axes, 5 Minute Test on Each, 10 to 55 Hz
Storage Temperature Range	-40		+125	°C		
Temperature Coefficient			0.03	%/°C		
Operating Humidity			95	%		
Vibration		5		g		
PHYSICAL						
Case Dimensions	3.0L	2.0W	0.50	inch		
Weight		2.20		OZ		

REV LTR	DESCRIPTION	BY/DATE
01	LABEL ADD	7/01

PIN	FUNCTION
1	-Vin
2	+Vin
3	On/off
4	-Vout
5	+Vout
6	-Sense
7	Trim
8	+Sense



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:

XX ± 0.20
.XXX ± 0.10
FRACTION ± 0.30

DRAWN	<i>J. Sunthwa</i>	DATE	7/18/01	TITLE	Power-One
CHECKED	<i>A. Caton</i>	DATE	7/19/01		ZXT
PRD. ENG		DATE		PART ID	
MATERIAL:		SCALE	1:1	SIZE	A
				DWG. NO	ZXT001
				REV	01