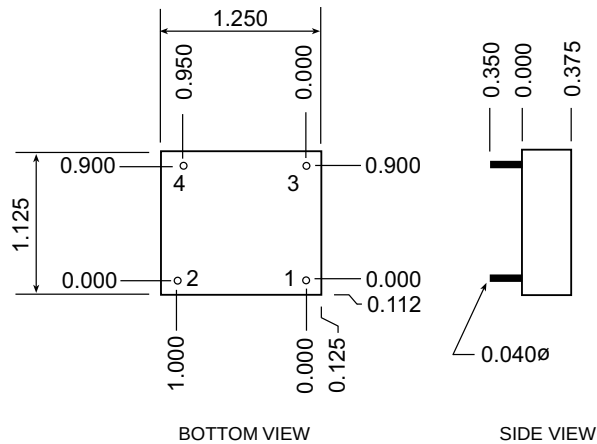


3 Watt CD Single Series DC/DC Converters



Case Dimension



Mechanical tolerances unless otherwise noted:
X.XX = ± 0.020
X.XXX = ± 0.010

PIN	FUNCTION
1	+INPUT
2	-INPUT
3	+OUTPUT
4	-OUTPUT

Specifications

Model		5S48.65CD
Features		Relay Driver
Power		3.12 Watts
Input Parameters		
Input Voltage Range	min	4.6 VDC
	typ	5.0 VDC
	max	6.5 VDC
Efficiency	typ	85%
Switching Frequency	typ	120 kHz
Output Parameters		
Output Voltage	min	47.3 VDC
	typ	48.0 VDC
	max	48.7 VDC
Rated Load	min	0 mA
	max	65 mA
Load Regulation No Load to Full Load	typ	8%
	max	12%
Line Regulation $V_{in} = 4.6$ to 6.5 VDC	typ	1.1% / % V_{in}
Noise, 0 to 20 MHz bw	typ	100 mV p-p
	max	150 mV p-p

General Specifications

Isolation		
Isolation Voltage Input to Output	min	700 VDC
	typ	30 pF
Environmental		
Case Operating Temperature Range	min	-25°C
	max	85°C
Storage Temperature Range	min	-40°C
	max	105°C

Note: No short circuit protection. Must fuse input or output.

Specifications subject to change without notice.