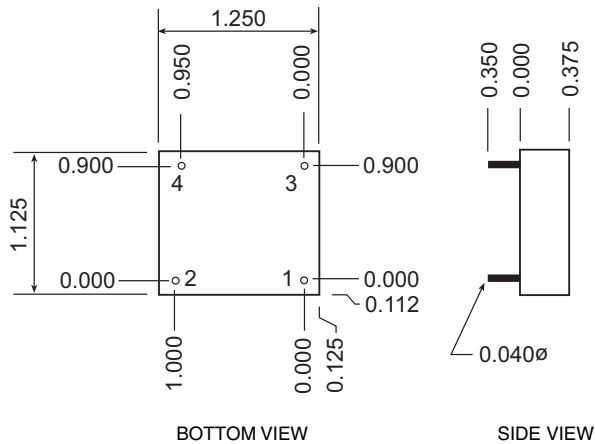


3 Watt CD Single Series DC/DC Converters



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 max	5.0 VDC 6.5 VDC
Efficiency	typ	85%
Switching Frequency	typ	120 kHz
Output Parameters		
Output Voltage	min	47.3 VDC
	typ max	48.0 VDC 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
Input to Output Capacitance	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.

NOTES

- (1) Specifications subject to change without notice.
- (2) Water Washability - Calex DC/DC converters are designed to withstand most solder/wash processes. Careful attention should be used when assessing the applicability in your specific manufacturing process. Converters are not hermetically sealed.