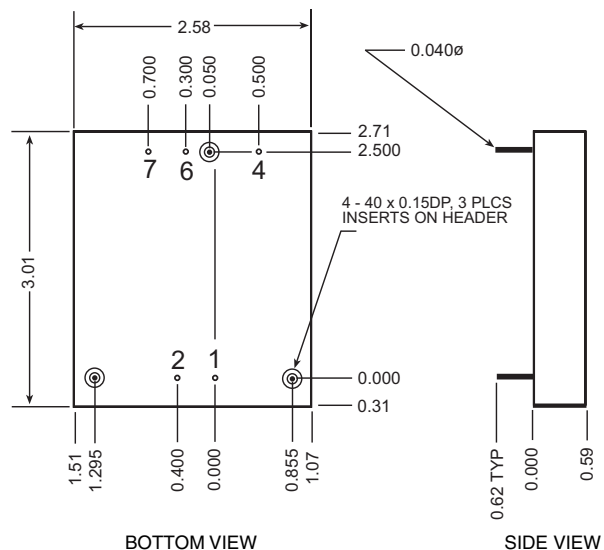


20 Watt CD Single Series DC/DC Converters



Case Dimension



BOTTOM VIEW

SIDE VIEW

Mechanical tolerances unless otherwise noted:

X.XX = ±0.020 inches

X.XXX = ±0.005 inches

Seal around terminals is not hermetic.

Do not immerse units in any liquid.

PIN	FUNCTION
1	+INPUT
2	-INPUT
4	N/C
6	+B OUT
7	CMN

Specifications

Model	24S8.2500CD	
Features	Low Profile Case	
Power	20.0 Watts	
Input Parameters		
Input Voltage Range	min typ max	18.0 VDC 24.0 VDC 32.0 VDC
Efficiency	typ	85%
Switching Frequency	typ	110 kHz
Output Parameters		
Output Voltage	min typ max	7.920 VDC 8.000 VDC 8.080 VDC
Rated Current	min max	100 mA 2500 mA
Load Regulation, 0 to 100%	typ max	0.1% 0.5%
Line Regulation Vin = Min To Max VDC	typ max	0.05% 0.2%
Noise, 0 to 20 MHz bw	typ max	30 mV p-p 60 mV p-p

General Specifications

Isolation		
Isolation Voltage Input to Output	min	700 VDC
Input to Output Capacitance	typ	80 pF
Environmental		
Case Operating Temperature Range	min max	-25°C 85°C
Storage Temperature Range	min max	-55°C 100°C

Specifications subject to change without notice.

NOTE

- (1) 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.