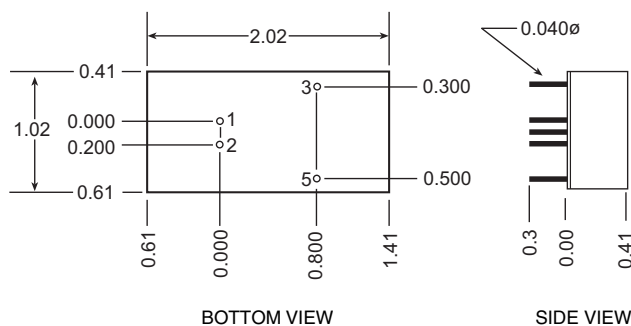


4 Watt CD Single Series DC/DC Converters



Case Dimension



Mechanical tolerances unless otherwise noted:
 X.XX = ±0.020
 X.XXX = ±0.005

PIN	FUNCTION
1	+INPUT
2	-INPUT
3	+OUTPUT
5	CMN

Specifications

Model	12S7.500CD	
Features	Wide Input Range	
Power	3.5 Watts	
Input Parameters		
Input Voltage Range	min	9.0 VDC
	typ	12.0 VDC
	max	36.0 VDC
Efficiency	typ	79%
Switching Frequency	typ	220 kHz
Output Parameters		
Output Voltage	min	6.860 VDC
	typ	7.000 VDC
	max	7.140 VDC
Rated Load	min	100 mA
	max	500 mA
Load Regulation	typ	0.03%
Min to Max Load	max	0.1%
Line Regulation	typ	0.01%
Vin = Min to Max VDC	max	0.1%
Noise, 0 to 20 MHz bw	typ	25 mV p-p
	max	80 mV p-p
General Specifications		
Isolation		
Input to Output	min	700 VDC
Input to Output Capacitance	typ	500 pF
Environmental		
Case Operating Temperature Range	min	-40°C
	max	85°C
Storage Temperature Range	min	-55°C
	max	105°C

Note: Requires input cap, 1.2A ripple current, 50V

NOTES

- Specifications subject to change without notice.
- 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.