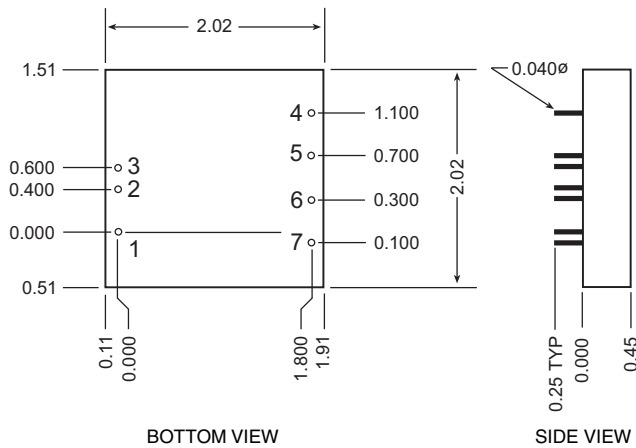


6 Watt CD Dual Series DC/DC Converters



Case Dimension



PIN	FUNCTION
1	ON/OFF
2	-INPUT
3	+INPUT
4	+OUTPUT
5	CMN
6	-OUTPUT
7	TRIM

Specifications

Model		12D5.1000CD	
Features		Wide Input Range	
Power		6.25 Watts	
Input Parameters			
Voltage Range	min	9.0 VDC	
	typ	12.0 VDC	
	max	36.0 VDC	
Efficiency	typ	76%	
Switching Frequency	typ	185 kHz	
Output Parameters		+5 V	-5 V
Voltage Accuracy	min	4.900 VDC	4.900 VDC
	typ	5.000 VDC	5.000 VDC
	max	5.100 VDC	5.100 VDC
Rated Load	min	100 mA	30 mA
	max	1000 mA	250 mA
Cross Regulation	typ	2.7%	
Min to Max Load	max	3.5%	
Line Regulation	typ	0.1%	
Vin = Min to Max VDC	max	0.5%	
Noise, 0 to 20 MHz bw	typ	30 mV p-p	35 mV p-p
	max	80 mV p-p	80 mV p-p

General Specifications

Output Trim Function		
Trim Range	typ	±5%
ON/OFF Function		
ON Logic Level or leave pin open	min	> 1.6 VDC
OFF Logic Level or tie pin to -Input	max	< 0.7 VDC
Converter Idle Current	typ	5 mA
Isolation		
Input to Output	min	700 VDC
Input to Output Capacitance	typ	500 pF
Environmental		
Case Operating Temperature Range No Derating	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

- (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.