



# DC 1300 SERIES

## 10 WATT, 3.3V OUTPUT DC-DC CONVERTERS

## FEATURES

- Full 2:1 range
- Low profile 0.4" high
- Short circuit and overvoltage protection
- Fully regulated
- Low output ripple & noise
- High reliability
- Input/Output isolation

## INPUT SPECIFICATIONS

**Input filter: Pi network**  
**Logic Input reference: to -input**  
**Logic compatibility: TTL or CMOS**  
**Remote ON/OFF**  
**Output voltage accuracy:  $V_1: \pm 3\%$**   
**Line regulation: (full load):  $\pm 5\%$**   
**Load regulation: (1/2 to full):  $\pm 1\%$**   
**Temperature coefficient  $\pm 0.2\%/^{\circ}\text{C}$**   
**Trans. Recovery:  $200\mu\text{s}$  max. to 1% final value**  
**Ripple & noise (20Mhz BW): 50mV**  
**Short circuit protection: foldback**

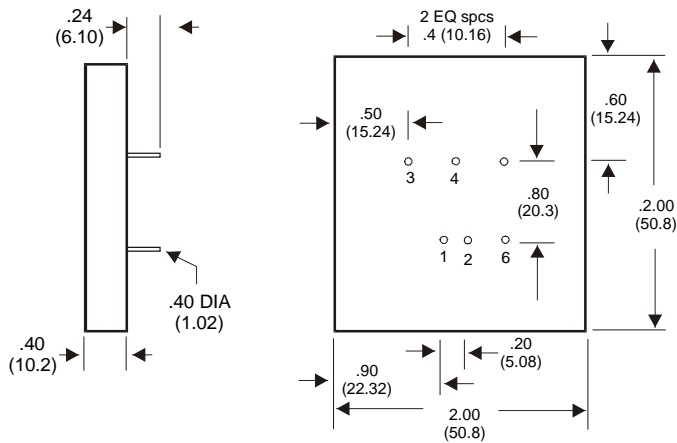
## GENERAL SPECIFICATIONS

**Efficiency: up to 81%**  
**Isolation voltage: 500 Vdc**  
**Isolation resistance: 1000 MΩ**  
**Operating temperature: -25 to +71°C**  
**Storage temperature: -55 to +125°C**  
**EMI/RFI: Six-sided continuous metal shielding**  
**Case Material: Black coated Cu w/nonconductive bottom**  
**Size: 2" x 2" x .4"**

## EXTERNAL OUTPUT TRIMMING

**Output may optionally be externally trimmed ( $\pm 5\%$ ) with a fixed resistor or trimpot.**

Model Number	Input Voltage (VDC)	Output Voltage (DC)	Output Current (mA)	Input Current	
				No Load	Full Load
DC1300	8-40	3.3	3000	10	2470
DC1310	15-40	3.3	3000	10	1030
DC1320	18-40	3.3	3000	10	500
DC1330	36-72	3.3	3000	10	245



### PIN CONNECTIONS:

PIN	FUNCTION	
1	+Vin (input)	+Vin (input)
2	-Vin (input)	-Vin (input)
3	+Vout (output)	+Vout (output)
4	Trim	Common
5	-Vout (output)	-Vout (output)
6	Remote ON/OFF	

Due to ongoing product improvement, specifications are subject to change.

**For more Information call 1-800-367-0004**

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