



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: V1: $\pm 3\%$
Line regulation: (full load): $\pm 5\%$
Load regulation: (1/2 to full): $\pm 1\%$
Temperature coefficient $\pm 0.02\%/^{\circ}\text{C}$
Trans. Recovery: 200 μs max. to 1% final value
Ripple & noise (20Mhz BW): 50mV
Short circuit protection: foldback

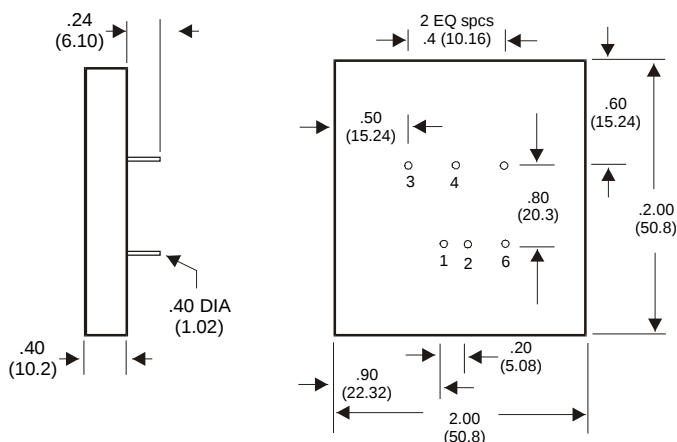
GENERAL SPECIFICATIONS

Efficiency: up to 81%
Isolation voltage: 500 Vdc
Isolation resistance: 1000 M Ω
Operating temperature: -25 to +71 $^{\circ}\text{C}$
Storage temperature: -55 to +125 $^{\circ}\text{C}$
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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