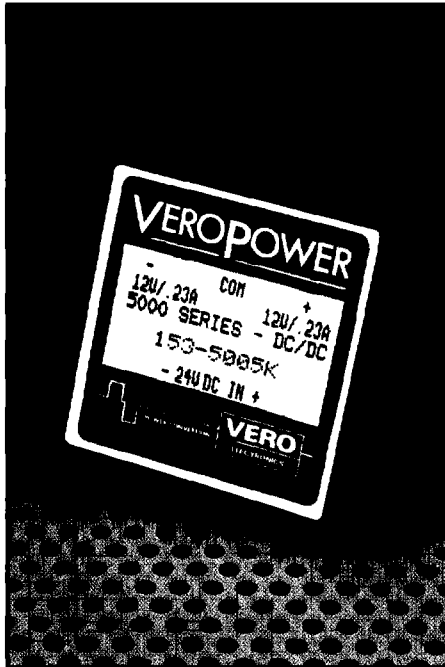


DC5000 SERIES HIGH PERFORMANCE

DC-DC 5-6 WATT



FEATURES

- 5 - 6 W outputs
- Industry standard package
- Regulated outputs
- Input/Output isolation
- Pi input filter
- Low ripple and noise
- Short circuit protection
- No derating to 71°C
- Six sided RFI shield (5000 series)
- UL listed
- MTBF >680000 hours actual product performance
- **24 MONTH WARRANTY**

INPUT VOLTAGE RANGE

Input Voltage	60% I _{out} max	80% I _{out} max	100% I _{out} max
5V	4,4 - 6,5V	4,5 - 6,0V	4,65 - 5,5V
24V	21,12 - 31,2V	21,6 - 28,8V	22,32 - 26,4V

PIN ALLOCATION

Pin	Single Output	Dual Output
1	+V in	+V in
2	-V in	-V in
3	+V out	+V out
4	no pin	0V out
5	0V out	-V out

The VEROPOWER DC5000 series are general purpose 5 - 6 W single and dual output dc-dc converters providing excellent regulation, low noise and input/output isolation. These converters are ideally suited to the distributed power concept, or for use in applications where locally derived power is required. Alternative input/output combinations are available to special order (typically 8 weeks delivery). Input voltages available are 5V, 12V, 24V and 48V with outputs of either 5V, 12V, 15V, $\pm 12V$ or $\pm 15V$.

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal line, full load and 25°C unless otherwise stated.

INPUT SPECIFICATION

Input voltage (DC) - for input voltage range see table:	5V	24V
Input filter:	Pi network	
Efficiency:	>61%	

OUTPUT SPECIFICATION

Output voltage: (DC)	5V	$\pm 12V$	$\pm 15V$
Voltage accuracy:	$\pm 1\%$ max.		
Ripple (typical) single output:	10 mV p-p		
dual output:	6 mV p-p		
Short circuit protection:	current limited		

REGULATION

Line:	$\pm 0,02\%$
Load:	$\pm 0,04\%$
Time: 0-10% I _{out}	<20 μ s
Switching frequency:	20 kHz min.

ISOLATION

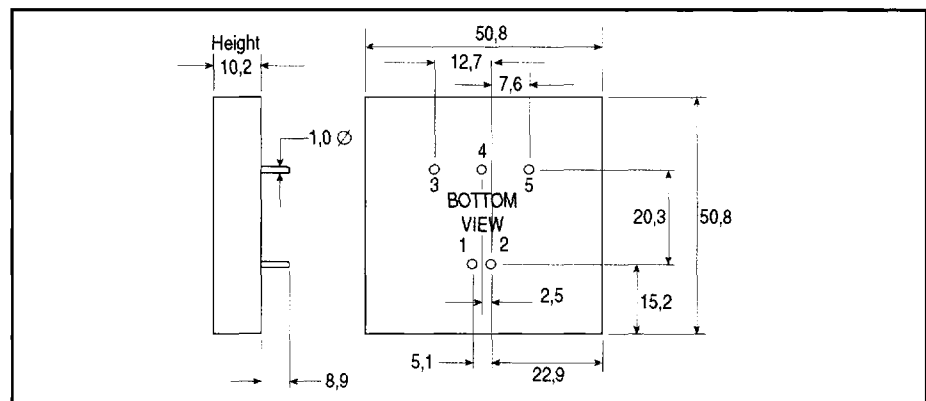
Resistance:	10 ⁹ Ω
Capacitance:	80pF
Voltage:	500 VDC

ENVIRONMENTAL SPECIFICATION

Temperature - operating:	-25°C to +71°C
Temperature - storage:	-40°C to +125°C
Derating:	none

PHYSICAL SPECIFICATION

Dimensions (mm):	50,8 x 50,8 x 10,2
Weight:	57g
Case material:	non-conductive black plastic



VEROPOWER DC5000 SERIES

Ordering information

Series	Power W	Output Voltage / Current DC	Order code	
			5 VDC input	24 VDC input
5000	5	5V/1A	153-5001D	153-5002L
	5,5	$\pm 12V/230mA$	153-5004C	153-5005K
	5,7	$\pm 15V/190mA$	153-5007B	153-5008J