

General Specifications		
Parameter		results
Temperature ranges	- Operating - Case temperature - Storage	-40°C to +85°C +90°C max. -55°C to +105°C
Derating (convection cooling)		3.3 %/K above 70°C
Humidity (non condensing)		95 % rel. H max.
Reliability, calculated MTBF (MIL-HDBK-217F at +25°C, ground benign)		>1 Mio h
Isolation voltage (60 sec.) – Input/Output		1'500 VDC
Isolation capacitance – Input/Output		500 pF max.
Isolation resistance – Input/Output (500 VDC)		>1'000 M Ohm
Switching frequency		100 to 650 kHz (PFM)
Remote On/Off control	- On: - Off: - Off stand by input current	<0.6 VDC or open circuit 2.9 to 15 VDC 1 mA typ / 3 mA max.

Physical Specifications		
Parameter		results
Casing material		non-conductive plastic
Potting material		epoxy (UL 94V-0 rated)
Weight		6.5 g (0.23 oz)
Soldering temperature		max. 260°C / 10 sec.
Environmental compliance	- Reach - RoHS directive 2002/95/EC	http://www.microdc.cn/uploadfiles/WRA(B)-ZS-2W.pdf

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

Outline Dimensions		
Pin	Single	Dual
1	-Vin(GND)	-Vin(GND)
2	+Vin(Vcc)	+Vin(Vcc)
3	Remote On/Off	Remote On/Off
5	No function	No function
6	+Vout	+Vout
7	-Vout	Common
8	No function	-Vout

Note: specifications can be changed any time without notice.
Dimensions in [mm], () = Inch
Pin diameter \varnothing 0.5 \pm 0.05 (0.02 \pm 0.002)
Tolerances \pm 0.5 (\pm 0.02)
Pin pitch tolerances \pm 0.2 (\pm 0.008)

Note:

- The load shouldn't be less than 10%, otherwise ripple will increase dramatically.
- Operation under 10% load will not damage the converter; However, they may not meet all specification listed.
- All specifications measured at Ta=25 ° C, humidity<75%, nominal input voltage and rated output load unless otherwise specified.
- In this datasheet, all the test methods of indications are based on corporate standards.
- Only typical models listed, other models may be different, please contact our technical person for more details.

MICRODC
Professional Power Module

Microdc Professional Power Module, Inc.
Tel: 0086-20-86000646 E-mail: tech@microdc.cn
Website: http://www.microdc.cn



RoHS COMPLIANT INFORMATION

This series is compatible with RoHS soldering systems with a peak wave solder temperature of 300° C for 10 seconds.
The pin termination finish on the SIP package type is Tin Plate, Hot Dipped over Matte Tin with Nickel Preplate. The DIP types are Matte Tin over Nickel Preplate. Both types in this series are backward compatible with Sn/Pb soldering systems.



REACH COMPLIANT INFORMATION

This series has proven that this product does not contain harmful chemicals, it also has harmful chemical substances through the registration, inspection and approval.