OBSOLETE PRODUCT

Contact factory for replacement model



3 WATT UNREGULATED WIDE INPUT RANGE DC/DC CONVERTER

PWR72

FEATURES

- **Low Price**
- High Power Output: 3 Watts
- Wide Input Voltage Range: 5VDC To 22VDC
- I Isolation Barrier 100% Tested Per UL544, VDE750, and CSA C22.2 Dielectric Withstand
- I Isolation Barrier Leakage Current 100% Tested At 240VAC: 3µA Max
- Low Isolation Barrier Capacitance: 10pF
- | Single-Channel; Dual Output
- Six-Sided Shielding

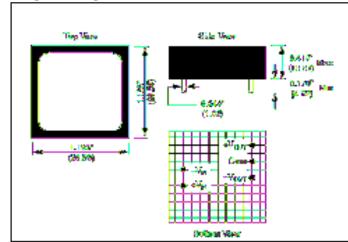
DESCRIPTION

The PWR72 is a 3W, single-channel, dual-output DC/DC converter designed for low cost spot power conversion and ground elimination applications.

It provides a plus and minus output voltage approximately equal to the input voltage magnitude. The PWR72 operates over a wide range of input voltages from 5VDC to 22VDC. Its unregulated outputs give the PWR72 high efficiency power conversion.

Surface-mounted devices and manufacturing processes are used in the PWR72 to give the user a device which is more environmentally rugged than most DC/DC converters. The use of surface-mounted technologies also gives the PWR72 superior isolation voltage. A third advantage of using surface-mounted technologies is low manufacturing cost.

MECHANICAL



NOTES: All dimensions are in inches (millimeters).

GRID: 0.100 inches (2.54 millimeters)
Marked with: specific model ordered, date
code. job code.

MATERIAL: Units are encapsulated in a low thermal resistance molding compound which has excellent chemical resistance, wide operating temperature range, and good electrical properties under high humidity environments. Lead material is brass with a solder plated surface to allow ease of solderability.

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ELECTRICAL SPECIFICATIONS

At $T_A = +25^{\circ}C$, $+V_{IN} = 15VDC$, and $I_{OUT} = \pm 100$ mA unless otherwise noted.

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
INPUT Rated Voltage Voltage Range Input Current Ripple Current	$I_{LOAD} = 0$ $I_{LOAD} = Rated Load$ $I_{LOAD} = 0$ $I_{LOAD} = Rated Load$	5	15 40 280 15 150	22 330	VDC VDC mA mA mApk mAp-p
ISOLATION Rated Voltage Test Voltage Resistance Capacitance Leakage Current	60s, 60Hz V _{ISO} = 240VAC, 60Hz	1000 3000	10 10	3	VDC Vpk GW pF µA
OUTPUT Rated Voltage Voltage Range Rated Power Rated Current Current Range Line Regulation Load Regulation Ripple Voltage	I _{OUT} = No Load I _{OUT} = Rated Load Total of All Outputs Each Output Total of All Outputs 10Vpc To V _{IN} 18Vpc OMA I _{LOAD} 100mA I _{LOAD} = 0 I _{LOAD} = Rated Load	±15 ±14.25 0 0	±15 3 1.15 15 30	±20 ±15.75 100 200 ±150 300	VDC VDC VDC W mA mA V/V mA
TEMPERATURE Specification Operating		-25 -40		+85 +100	°C °C

ABSOLUTE MAXIMUM RATINGS

Input Voltage	22VDC
Output Short-Circuit Duration	
Internal Power Dissipation	3W
Junction Temperature	+175°C
Package Thermal Resistance	13°C/W
Lead Temperature (Soldering, 10s)	+300°C

ORDERING INFORMATION

<u></u>	PWR 72 /H
Device Family ————————————————————————————————————	_
PWR indicates DC/DC converter	
Model Number	
Reliability Screening — No designator indicates standard manufacturing processing	l



Murata Power Solutions, Inc.

11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. Tel: (508) 339-3000 (800) 233-2765 Fax: (508) 339-6356

www.murata-ps.com email: sales@murata-ps.com ISO 9001 & ISO 14001 REGISTERED

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USA: Mansfield (MA), Tel: (508) 339 3000, email: sales@murata-ps.com
Canada: Toronto, Tel: (866) 740 1232, email: toronto@murata-ps.com
UK: Milton Keynes, Tel: +44 (0)1908 615232, email: mk@murata-ps.com

France: Montigny Le Bretonneux, Tel: +33 (0)1 34 60 01 01, email: france@murata-ps.com

Germany: München, Tel: +49 (0)89-544334-0, email: ped.munich@murata-ps.com

Japan: Tokyo, Tel: 3-3779-1031, email: sales_tokyo@murata-ps.com Osaka, Tel: 6-6354-2025, email: sales_osaka@murata-ps.com

> Shanghai, Tel: +86 215 027 3678, email: shanghai@murata-ps.com Guangzhou, Tel: +86 208 221 8066, email: guangzhou@murata-ps.com

Singapore: Parkway Centre, Tel: +65 6348 9096, email: singapore@murata-ps.com

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