

10 WATTS - LW 3.3 VOUT SERIES

2:1 Input, Regulated and Isolated

FEATURES

- ◆ Wide Input Voltage Range
- ◆ High Efficiency
- ◆ Pi-Input Filter Integral to Converter
- ◆ 500VDC Minimum Input/Output Isolation
- ◆ Regulated Outputs
- ◆ Remote On/Off Feature
- ◆ FIVE YEAR Warranty



THE LW 3.3VOUT SERIES FROM WALL INDUSTRIES

The LW Series is a family of wide input voltage range, highly efficient, 10 Watt DC/DC converters offering 3.3VDC output. Features include a pi-input filter to reduce input reflected ripple; continuous short circuit protection; and 500VDC input/output isolation. The LW 3.3Vout Series is ideally suited for applications utilizing the newer 3.3V integrated circuits.

SPECIFICATIONS: LW 3.3VOUT SERIES

All specifications apply @ +25 C ambient unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range4.5-6,9-18,18-36,36-72VDC
 Nominal Input5,12,24,48VDC
 Input FilterPi-Input Filter

OUTPUT SPECIFICATIONS

Output Currentsee table
 Voltage Tolerance± 3% max.
 Line Regulation (@FL)± 0.5%
 Load Regulation (50-100% load)± 1% max.
 Short Circuit Protection.....current limiting
 Ripple/Noise (20MHz BW)≤50mV P-P
 Over Voltage Protection.....Integral

GENERAL SPECIFICATIONS

Efficiency80% typical
 Isolation Voltage (input to output).....5000VDC min.
 Isolation Resistance (input to output).....1000MΩ
 Switching Frequency100kHz typical

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +85°C (case)
 Storage Temperature-55 to +125°C
 Humidity (non-condensing).....20% - 95% R.H.
 CoolingFree Air Convection

PHYSICAL SPECIFICATIONS

Dimensions2.0 x 2.0 x 0.40"
 Weight2.8 oz.
 ShieldingSix-sided
 Case Material.....Black coated metal,
non-conductive baseplate

Due to advances in technology, specifications subject to change without notice.

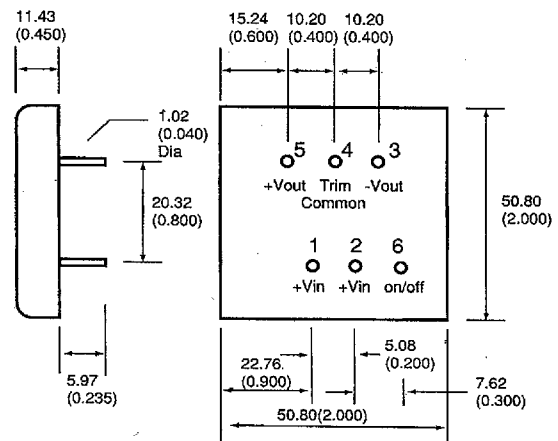
Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Input Current No Load (mA)	Input Current Full Load (mA)	Model Number
4.5-6	3.3	3.0	10	2470	LCS2W53.3-10
9-18	3.3	3.0	10	1030	LCS2W123.3-10
18-36	3.3	3.0	10	500	LCS2W243.3-10
36-72	3.3	3.0	10	245	LCS2W483.3-10

PIN CONNECTIONS

	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	Trim	Common
5	-Vout	-Vout
6	Remote On/Off	

Notes:

1. All case and pin-to-case dimensions reference only unless otherwise noted.
2. PC pins: 0.04" dia. x 0.20" long (min.); typical five places.
3. Pin to pin tolerance ± 0.01 ", Pin diameter tolerance ± 0.005 ".
4. Header pins protrudes 0.008" typical four sides.
6. Significant capacitive load on output may inhibit start up and operation consult factory.
7. All DC/DC converters should be externally fused on the front end for protection.



PS: Pin 6th optional for high enable