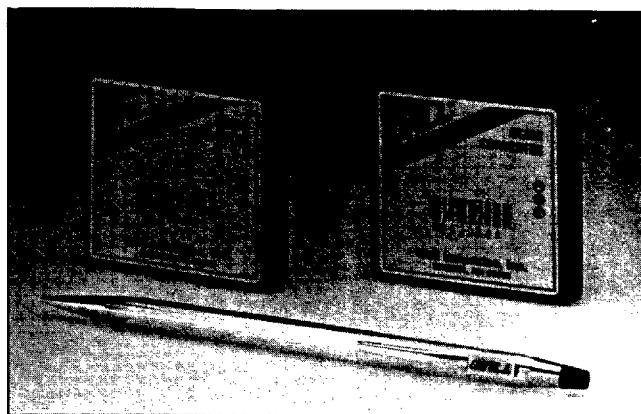


LW 3.3Vout SERIES**10 WATTS****FEATURES**

- Wide Input Range
- High Efficiency
- Pi-Input Filter Integral to Converter
- 500 VDC 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**

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

INPUT SPECIFICATIONS

Input Voltage Range	4.5-6, 9-18, 18-36, 36-72VDC
Nominal Input	5, 12, 24, 48 VDC
Input Filter	Pi-Input Filter

OUTPUT SPECIFICATIONS

Output Current	see table
Voltage Tolerance	±3%
Line Regulation (at full load)	±0.5% max.
Load Regulation (full load to half load)	±1% max.
Short Circuit Protection	current limiting
Over Voltage Protection	integral
Ripple/Noise	≤50mV (P-P)

GENERAL SPECIFICATIONS

Efficiency	80% 'Typical'
Isolation Voltage, input to output	500 VDC (min)
Isolation Resistance, input to output	1000 MΩ
Switching Frequency	100KHz 'typical'

ENVIRONMENTAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

Shielding Connections	six-sided shielded case
Weight	2.8 oz.
Case Material	Black coated metal, non-conductive base plate

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

Wall Industries, Inc. • 5 Watson Brook Road • Exeter, NH 03833 • 603-778-2300 • FAX: 603-778-9797
See Wall on the Webb <http://www.conres.com/wtop.htm>

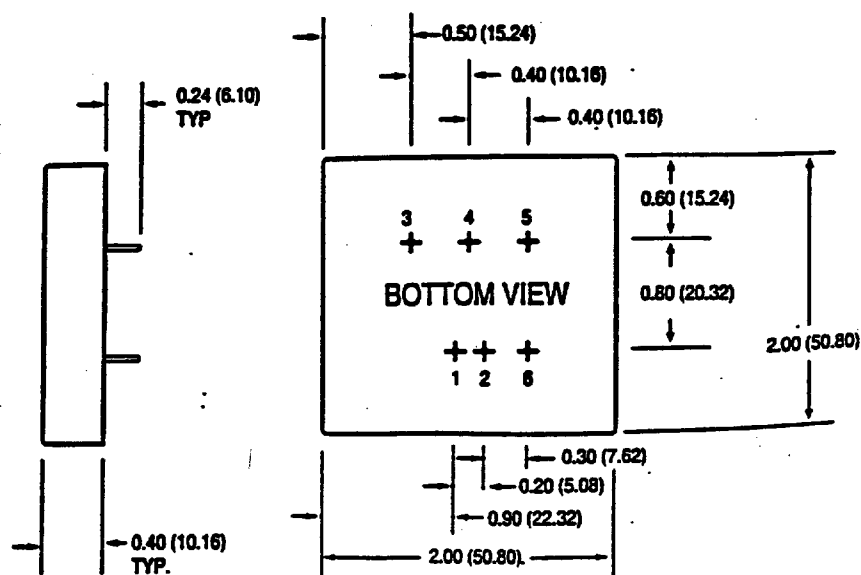
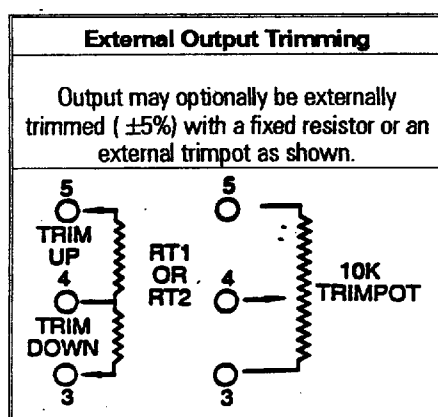
LW 3.3

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SINGLE OUTPUT

LW SERIES

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



Pin Functions		
Pin	Single	Dual
1	+ V in	+V in
2	- V in	- V in
3	+V out	+V out
4	Trim	Common
5	-V out	-V out
6	Remote On/Off	

Notes

1. All case and pin to case dimensions reference only unless otherwise noted
2. P.C. 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 plate protrudes 0.008" on four sides
5. All DC/DC converters should be externally fused on the front end for protection.
6. Significant capacitive load may impact start-up and operation, consult factory.

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LW 3.3
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