

TO 15 WATTS - LT SERIES

2:1 or 4:1 Wide Input, Triple Outputs

FEATURES

- ◆ Output Power Up to 15 Watts
- ◆ Wide Input Voltage Range (2:1 or 4:1)
- ◆ Industry Standard Pin-Out
- ◆ Indefinite Short Circuit Protection
- ◆ Input Filter for Low Reflected Ripple
- ◆ Assorted Triple Output Combinations
- ◆ Up to +85°C Case Operating Temperature
- ◆ Five Year Warranty



THE LT SERIES FROM WALL INDUSTRIES

The LT Series of DC/DC converters features units of 15 watts in a 2.0" x 2.0" x 0.40" package. The units are PC mountable and include an input filter for low reflected ripple, continuous short circuit protection, thermal shutdown, 500VDC input/output isolation and typical efficiencies of 80%.

SPECIFICATIONS: LT SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range9-18, 18-36, 36-72, 9-36, 20-72VDC
 Nominal Input12,24,48VDC
 Input FilterPi filter

OUTPUT SPECIFICATIONS

Output Currentsee table
 Voltage Accuracy (+V1 & -V2)± 2% max.
 (+V3)± 3% max.
 Line Regulation (at full load)± 1.0% max.
 Load Regulation (50-100% load)± 2.0% max.
 Short Circuit ProtectionIndefinite
 Ripple/Noise (20MHz BW)1% P-P max.
 Transient Response (50% load drop)200µsec to
within 1% final value
 Temperature Coefficient@ FL± 0.02%/°C max.

GENERAL SPECIFICATIONS

Efficiency81% (typical)
 Isolation Voltage (input to output)500VDC min.
 Isolation Resistance (input to output)1000MΩ
 Switching Frequency100kHz (typical)

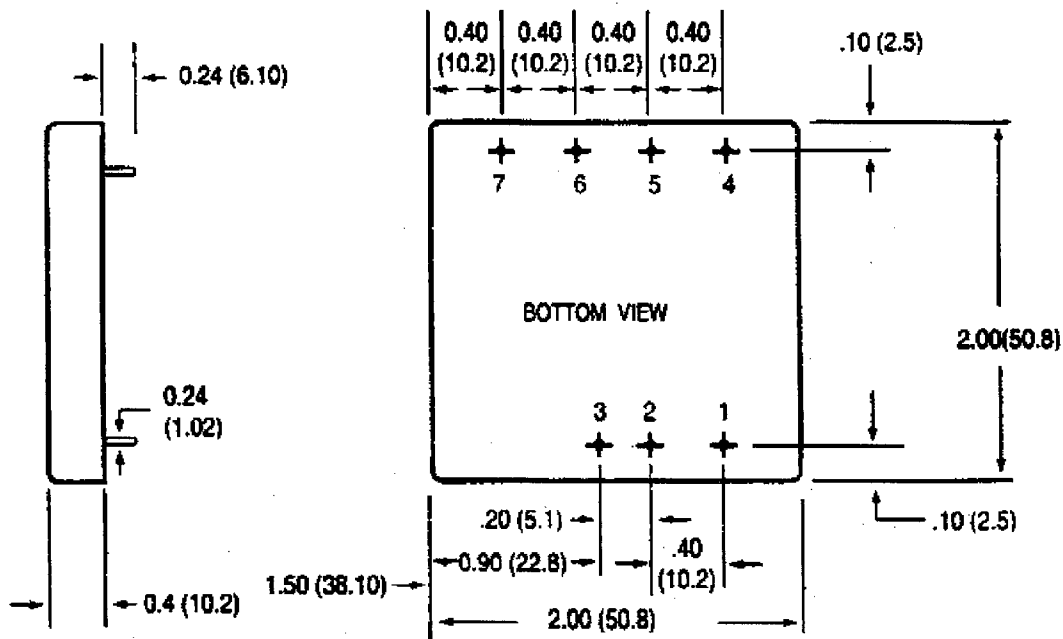
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +71°C (ambient)
 DeratingNot required
 Storage Temperature-55 to +125°C
 Humidity (non-condensing)20 - 95% R.H.

PHYSICAL SPECIFICATIONS

Weight2.8 oz.
 Case MaterialBlack coated copper,
non-conductive baseplate
 ShieldingSix-sided

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



Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
9-18	5/± 12	1500/± 310	LT1212-15E
	5/± 15	1500/± 250	LT1215-15E
	+5/+12/-5	1500/310/500	LT12512-15E
18-36	5/± 12	1500/± 310	LT2412-15E
	5/± 15	1500/± 250	LT2415-15E
	+5/+12/-5	1500/310/500	LT24512-15E
36-72	5/± 12	1500/± 310	LT4812-15E
	5/± 15	1500/± 250	LT4815-15E
	+5/+12/-5	1500/310/500	LT48512-15E
9-36	5/± 12	1500/± 310	LTW2412-15E
	5/± 15	1500/± 250	LTW2415-15E
	+5/+12/-5	1500/310/500	LTW24512-15E
20-72	5/± 12	1500/± 310	LTW4812-15E
	5/± 15	1500/± 250	LTW4815-15E
	+5/+12/-5	1500/310/500	LTW48512-15E

Add 'R' on to end of part number for remote on/off feature.

PIN CONNECTIONS LT SERIES

1	Remote On/Off
2	- Vin
3	+ Vin
4	- Vout
5	Common
6	+ 5Vout
7	+ Vout

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).
3. Pin to pin tolerance ± 0.01 ". Pin diameter tolerance ± 0.005 ".
4. 10% minimum load required.
5. Remote pin can be left floating if not used.
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.