

UP TO 7.5 WATTS - L SERIES

Low Ripple, Regulated, Single and Dual Output

FEATURES

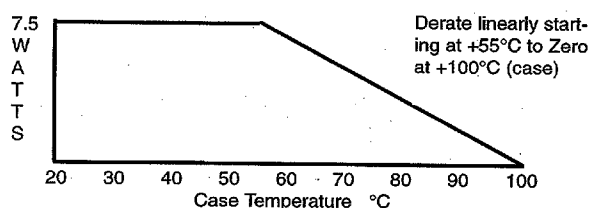
- ◆ Up to 7.5Watts Output Power
- ◆ High Input/Output Isolation
- ◆ Low Output Ripple
- ◆ Continuous Short Circuit Protection
- ◆ Pi-Input Filter
- ◆ Low Profile Package
- ◆ Five Year Warranty



THE L SERIES FROM WALL INDUSTRIES

The L Series features a low profile package of 2.0 x 2.0 x 0.40" with output power to 7.5watts. This series has excellent line and load regulation, input filtering, and low output ripple, as well as low input reflected ripple. Specifications include high I/O isolation (500VDC), low output ripple (<50mV P-P) and current limiting/thermal shutdown.

7.5 Watt L Series Derating Curve
Case Temperature at Ambient = +55°C, Horizontal Mounting



SPECIFICATIONS: L SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range5, 12, 24, 28, 28VDC $\pm 10\%$
 Nominal Input5, 12, 24, 28, 48VDC
 Input FilterPi-Input Filter

OUTPUT SPECIFICATIONS

Output Currentsee table
 Voltage Tolerance $\pm 1\%$
 Thermal Shutdownapprox. +100°C case (7.5W units only)
 Line Regulation $\pm 0.05\%$
 Load Regulation $\pm 0.5\%$
 Short Circuit Protection.....linear current limiting
 Ripple/Noise (20MHz BW)..... $\leq 50\text{mV P-P}$
 Over Voltage Protectionsee table

GENERAL SPECIFICATIONS

Efficiency65% typical
 Isolation Voltage (input to output).....500VDC min.
 Isolation Resistance (input to output).....1000M Ω
 Switching Frequency50kHz typical

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +85°C (case)
 Storage Temperature-55 to +100°C
 Humidity (non-condensing)20 - 95% R.H.

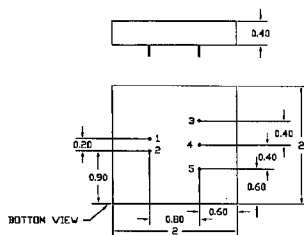
PHYSICAL SPECIFICATIONS

Weight2.3 oz.
 Case Material.....Black coated metal,
non-conductive baseplate
 Shielding connectionsSix-Sided Shielded case

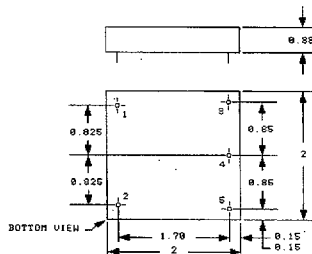
Due to advances in technology, specifications subject to change without notice.

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Output Power (Watts)	Model Number (with Center Pin-Out)	Model Number (with Standard Pin-Out)
5	5	600	3	LCS55-600	LS55-600
	5	1500	7.5	LCS55-1500	LS55-1500
	12	250	3	LCS512-250	LS512-250
	12	500	6	LCS512-500	LS512-500
	12	630	7.5	LCS512-630	LS512-630
	15	200	3	LCS515-200	LS515-600
	15	400	6	LCS515-400	LS515-400
	15	500	7.5	LCS515-500	LS515-500
	±5	500	5	LCD55-500	LD55-500
	±5	750	7.5	LCD55-750	LD55-750
	±12	125	3	LCD512-125	LD512-125
	±12	250	6	LCD512-250	LD512-250
	±12	310	7.5	LCD512-310	LD512-310
	±15	100	3	LCD515-100	LD515-100
	±15	200	6	LCD515-200	LD515-200
	±15	250	7.5	LCD515-250	LD515-250
12	5	600	3	LCS25-600	LS25-600
	5	1500	7.5	LCS25-1500	LS25-1500
	12	250	3	LCS212-250	LS212-250
	12	500	6	LCS212-500	LS212-500
	12	630	7.5	LCS212-630	LS212-630
	15	200	3	LCS215-200	LS215-600
	15	400	6	LCS215-400	LS215-400
	15	500	7.5	LCS215-500	LS215-500
	±5	500	5	LCD25-500	LD25-500
	±5	750	7.5	LCD25-750	LD25-750
	±12	125	3	LCD212-125	LD212-125
	±12	250	6	LCD212-250	LD212-250
	±12	310	7.5	LCD212-310	LD212-310
	±15	100	3	LCD215-100	LD215-100
	±15	200	6	LCD215-200	LD215-200
	±15	250	7.5	LCD215-250	LD215-250

Center Pinout



Standard Pinout



Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Output Power (Watts)	Model Number (with Center Pin-Out)	Model Number (with Standard Pin-Out)
24	5	600	3	LCS45-600	LS45-600
	5	1500	7.5	LCS45-1500	LS45-1500
	12	250	3	LCS412-250	LS412-250
	12	500	6	LCS412-500	LS412-500
	12	630	7.5	LCS412-630	LS412-630
	15	200	3	LCS415-200	LS415-600
	15	400	6	LCS415-400	LS415-400
	15	500	7.5	LCS415-500	LS415-500
	±5	500	5	LCD45-500	LD45-500
	±5	750	7.5	LCD45-750	LD45-750
	±12	125	3	LCD412-125	LD412-125
	±12	250	6	LCD412-250	LD412-250
	±12	310	7.5	LCD412-310	LD412-310
	±15	100	3	LCD415-100	LD415-100
	±15	200	6	LCD415-200	LD415-200
	±15	250	7.5	LCD415-250	LD415-250
28	5	600	3	LCS85-600	LS85-600
	5	1500	7.5	LCS85-1500	LS85-1500
	12	250	3	LCS812-250	LS812-250
	12	500	6	LCS812-500	LS812-500
	12	630	7.5	LCS812-630	LS812-630
	15	200	3	LCS815-200	LS815-600
	15	400	6	LCS815-400	LS815-400
	15	500	7.5	LCS815-500	LS815-500
	±5	500	5	LCD85-500	LD85-500
	±5	750	7.5	LCD85-750	LD85-750
	±12	125	3	LCD812-125	LD812-125
	±12	250	6	LCD812-250	LD812-250
	±12	310	7.5	LCD812-310	LD812-310
	±15	100	3	LCD815-100	LD815-100
	±15	200	6	LCD815-200	LD815-200
	±15	250	7.5	LCD815-250	LD815-250

PIN CONNECTIONS

	Single	Dual
1	+ Vin	+ Vin
2	- Vin	- Vin
3	+ Vout	+ Vout
4	N/C	Common out
5	- Vout	- Vout

Notes:

1. All case and pin-to-case dimensions reference only unless otherwise noted.
2. 48VDC input available. To specify, insert "48" in place of input voltage designator in part number.