

PRODUCT FEATURES

Low Ripple, Regulated, Single and Dual Output

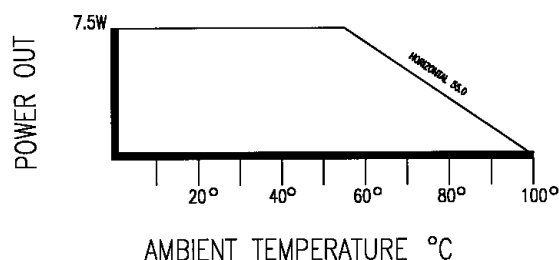
- Up to 7.5Watts Output Power
- High Input/Output Isolation
- Low Output Ripple
- Continuous Short Circuit Protection
- Pi-Input Filter
- Low Profile Package



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.

HORIZONTAL DERATING CURVE



SPECIFICATIONS: L SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range.....5, 12, 24, 28, 28VDC $\pm 10\%$
 Nominal Input.....5, 12, 24, 28 VDC
 Input Filter.....Pi-Input Filter

OUTPUT SPECIFICATIONS

Output Current.....see table
 Voltage Tolerance....(7.5W)..... $\pm 1\%$
3 & 5W $\pm 5.0\%$
 Thermal Shutdown approx. +100°C case (7.5W units only)
 Line Regulation $\pm 0.05\%$
3 & 5W 0.3%
 Load Regulation $\pm 0.5\%$
 Short Circuit Protection.....linear current limiting
 Ripple/Noise (20MHz BW).....50mV p-p
 Over Voltage Protection.....see table

GENERAL SPECIFICATIONS

Efficiency.....65% typical
 Isolation Voltage (input to output).....500VDC min.
 Isolation Resistance (input to output).....100 MOhms
 Switching Frequency.....50kHz 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

Weight.....2.3 oz.
 Case Material.....Black coated metal,
non-conductive baseplate
 Shielding connections.....Six-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 (Center Pin-Out)	Model Number (Standard Pin-Out)	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Output Power (Watts)	Model Number (Center Pin-Out)	Model Number (Standard Pin-Out)
5	5	600	3	LCS55-600	LS55-600	24	5	600	3	LCS45-600	LS45-600
	5	1500	7.5	LCS55-1500	LS55-1500		5	1000	5	LCS45-1000	LS45-1000
	12	250	3	LCS512-250	LS512-250		5	1500	7.5	LCS45-1500	LS45-1500
	12	500	6	LCS512-500	LS512-500		12	250	3	LCS412-250	LS412-250
	12	630	7.5	LCS512-630	LS512-630		12	500	6	LCS412-500	LS412-500
	15	200	3	LCS515-200	LS515-600		12	630	7.5	LCS412-630	LS412-630
	15	400	6	LCS515-400	LS515-400		15	200	3	LCS415-200	LS415-600
	15	500	7.5	LCS515-500	LS515-500		15	400	6	LCS415-400	LS415-400
	±5	500	5	LCD55-500	LD55-500		15	500	7.5	LCS415-500	LS415-500
	±5	750	7.5	LCD55-750	LD55-750		±5	500	5	LCD45-500	LD45-500
	±12	125	3	LCD512-125	LD512-125		±5	750	7.5	LCD45-750	LD45-750
	±12	250	6	LCD512-250	LD512-250		±12	125	3	LCD412-125	LD412-125
	±12	310	7.5	LCD512-310	LD512-310		±12	250	6	LCD412-250	LD412-250
	±15	100	3	LCD515-100	LD515-100		±12	310	7.5	LCD412-310	LD412-310
	±15	200	6	LCD515-200	LD515-200		±15	100	3	LCD415-100	LD415-100
	±15	250	7.5	LCD515-250	LD515-250		±15	200	6	LCD415-200	LD415-200
							±15	250	7.5	LCD415-250	LD415-250
12	5	600	3	LCS25-600	LS25-600	28	5	600	3	LCS85-600	LS85-600
	5	1500	7.5	LCS25-1500	LS25-1500		5	1500	7.5	LCS85-1500	LS85-1500
	12	250	3	LCS212-250	LS212-250		12	250	3	LCS812-250	LS812-250
	12	500	6	LCS212-500	LS212-500		12	500	6	LCS812-500	LS812-500
	12	630	7.5	LCS212-630	LS212-630		12	630	7.5	LCS812-630	LS812-630
	15	200	3	LCS215-200	LS215-600		15	200	3	LCS815-200	LS815-600
	15	400	6	LCS215-400	LS215-400		15	400	6	LCS815-400	LS815-400
	15	500	7.5	LCS215-500	LS215-500		15	500	7.5	LCS815-500	LS815-500
	±5	500	5	LCD25-500	LD25-500		±5	500	5	LCD85-500	LD85-500
	±5	750	7.5	LCD25-750	LD25-750		±5	750	7.5	LCD85-750	LD85-750
	±12	125	3	LCD212-125	LD212-125		±12	125	3	LCD812-125	LD812-125
	±12	250	6	LCD212-250	LD212-250		±12	250	6	LCD812-250	LD812-250
	±12	310	7.5	LCD212-310	LD212-310		±12	310	7.5	LCD812-310	LD812-310
	±15	100	3	LCD215-100	LD215-100		±15	100	3	LCD815-100	LD815-100
	±15	200	6	LCD215-200	LD215-200		±15	200	6	LCD815-200	LD815-200
	±15	250	7.5	LCD215-250	LD215-250		±15	250	7.5	LCD815-250	LD815-250

PIN CONNECTIONS

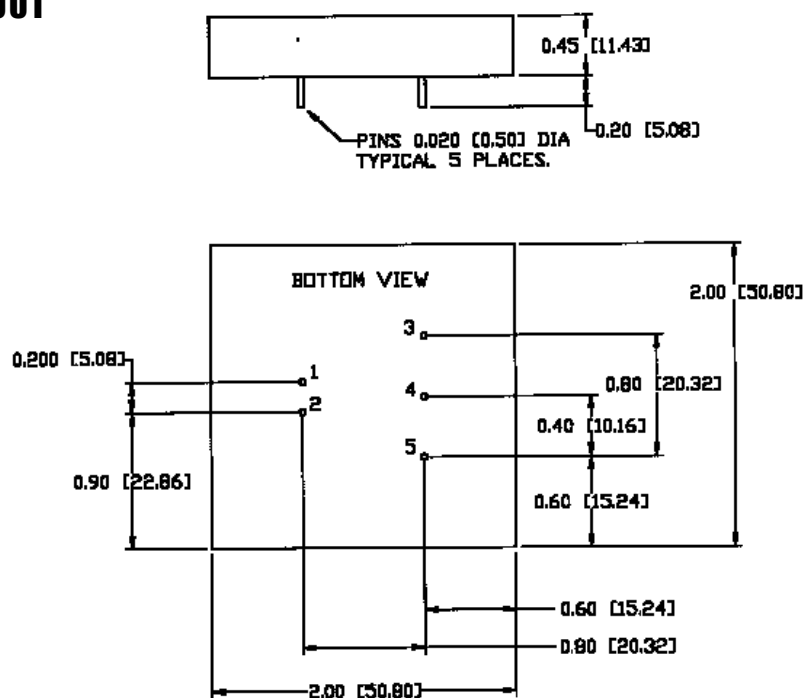
Single Dual

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

Note:

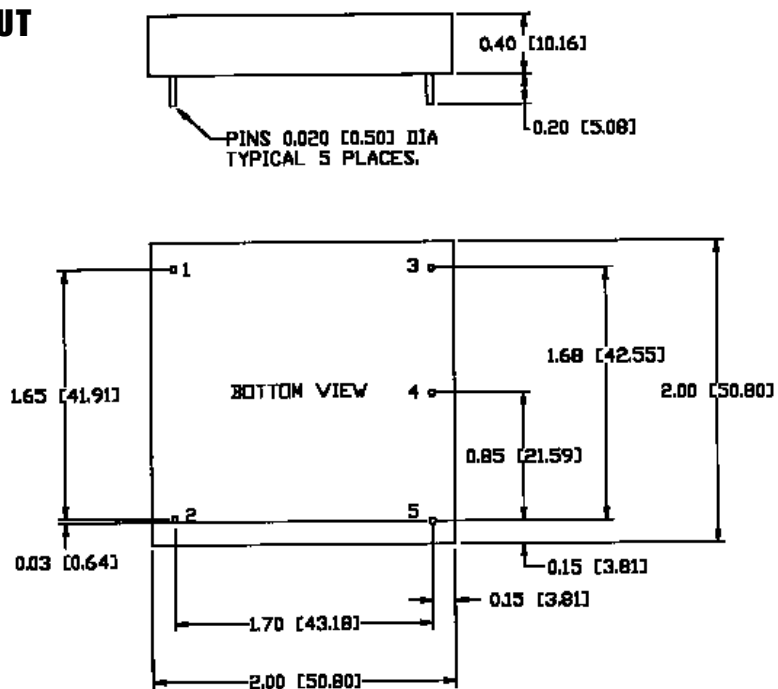
1. All case and pin-to-case dimensions reference only unless otherwise noted.

CENTER PINOUT



DIMS: IN [MM]

OPTIONAL PINOUT



DIMS: IN [MM]