

25 to 30Watts / 3" ´ 2.60" ´ 0.45" Package

YCL

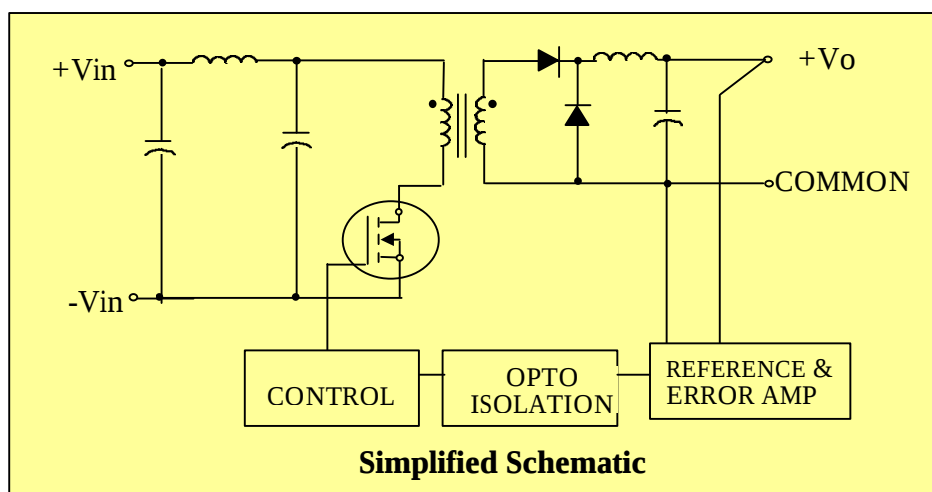
LP series / 2:1 input range

Feature:

- Low Cost
- 2:1 input range
- High efficiency
- Industry-standard package and pinout
- 500Vdc Input/Output Isolation
- On/Off control and Vout trim
- No External Components required

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: 36 to 48Vdc	Isolation Voltage: 500Vdc
Input Filter: Pi-type	Efficiency: see table
On/Off Control: TTL high(or open)=on TTL low=off	Switching Frequency: 100KHz typical
	Isolation Resistance: 1000M ohm
Output Specifications:	Environmental Specifications:
Output Voltage & Current: see table	Operating Temperature: -25 to + 71°C
Voltage Accuracy: $\pm 2\%$ max	Storage Temperature: -40 to +105°C
Line Regulation(at full load): $\pm 0.5\%$ max	Cooling: Free air convection
Load Regulation (at full load to 1/4 load): Single output: $\pm 1\%$ max Dual output: $\pm 2.5\%$ max	Derating: See Derating Curve
	Humidity Non-Condensing: 20 to 95% RH
	Physical Specifications:
Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ max	Case Material: Black coated copper with non-conductive plastic base
Ripple & Noise(20Mhz BW): 1% p-p max	Pin Material: Brass, solder coated
Short Circuit Protection: Power fold back	Weight: 156grams typical
Over load protection: Build-in	



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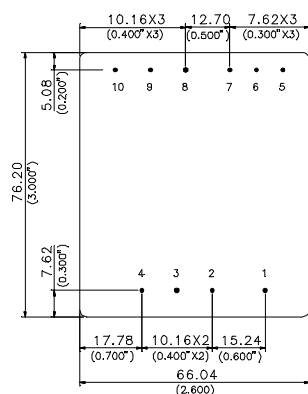
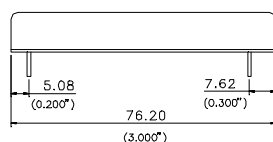
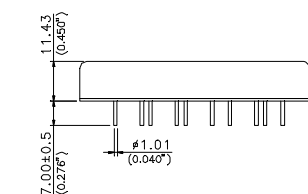
Model Selection Table:

Model no.	Input			Output		Efficiency Typical① %	Package	External Fuse② (A)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)			
LP501-12S05	9-18	28	2671	5	5000	78	LP	6
LP201-12S12	9-18	28	2500	12	2000	80	LP	6
LP161-12S15	9-18	28	2580	15	1650	80	LP	6
LP251-12D05	9-18	28	2671	±5	±2500	78	LP	6
LP101-12D12	9-18	28	2500	±12	±1000	80	LP	6
LP830-12D15	9-18	28	2594	±15	±830	80	LP	6
LP601-24S05	18-36	25	1563	5	6000	80	LP	4
LP251-24S12	18-36	25	1543	12	2500	81	LP	4
LP201-24S15	18-36	25	1524	15	2000	82	LP	4
LP301-24D05	18-36	25	1563	±5	±3000	80	LP	4
LP121-24D12	18-36	25	1543	±12	±1250	81	LP	4
LP101-24D15	18-36	25	1524	±15	±1000	82	LP	4
LP601-48S05	36-72	22	753	5	6000	82	LP	2
LP251-48S12	36-72	22	753	12	2500	83	LP	2
LP201-48S15	36-72	22	744	15	2000	84	LP	2
LP301-48D05	36-72	22	762	±5	±3000	82	LP	2
LP121-48D12	36-72	22	753	±12	±1250	83	LP	2
LP101-48D15	36-72	22	744	±15	±1000	84	LP	2

①Efficiency is specified at nominal input voltage and full load.

②Certain applications may require the installation of external fuse in front of the input.

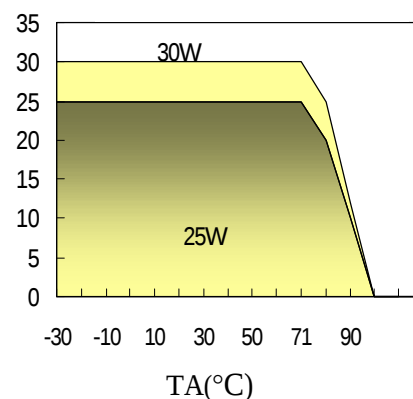
Package LP:



PIN	SINGLE	DUAL	TRIPLE
1	ON/OFF	ON/OFF	ON/OFF
2	+INPUT	+INPUT	+INPUT
3	-INPUT	-INPUT	-INPUT
4	NO PIN	NO PIN	NO PIN
5	NO PIN	+OUTPUT	+OUTPUT
6	OUTPUT TRIM	COMMON	COMMON
7	NO PIN	-OUTPUT	-OUTPUT
8	+OUTPUT	OUTPUT TRIM	+5V out
9	-OUTPUT	NO PIN	NO PIN
10	NO PIN	NO PIN	OUTPUT TRIM

Po(W)

Power Derating Curve



Unit: mm(inch)±0.25(0.010)