

7.5watt /2" ´ 1" ´ 0.45" Package/500Vdc isolation

LD series/2:1 input range

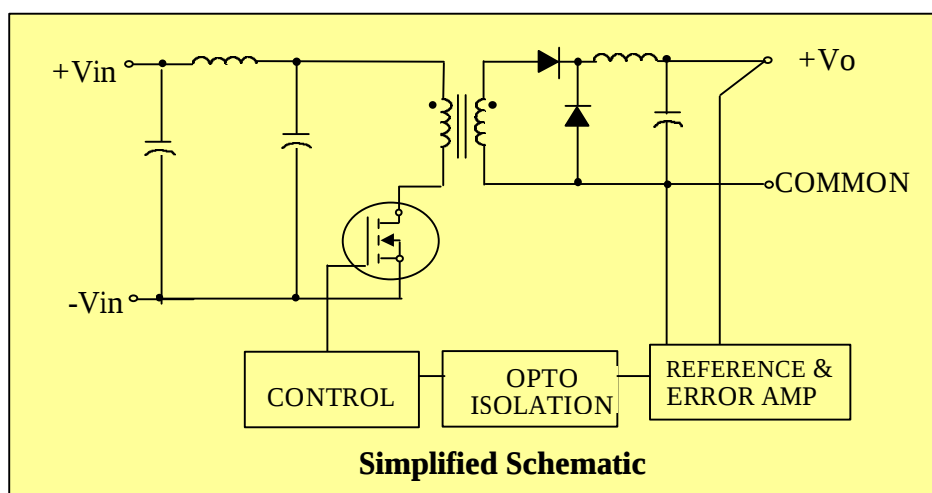
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Feature:

- Low Cost
- 2:1 input range
- Industry-standard package and pinout
- 500Vdc Input/Output Isolation
- Single and Dual Outputs
- No External Components required
- Compact size and low profile

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: See Table	Isolation Voltage: 500Vdc
Input Filter: Pi-network type	Efficiency: see table
Output Specifications:	Switching Frequency: 100KHz typical
Output Voltage & Current: see table	Isolation Resistance: 1000M ohm
Voltage Accuracy: $\pm 2\%$ max	Environmental Specifications:
Line Regulation(at full load): $\pm 1\%$ max	Operating Temperature: -25 to + 71°C
Load Regulation (at full load to 1/4 load):	Storage Temperature: -40 to +105°C
Single output: $\pm 1\%$ max	Cooling: Free air convection
Dual output: $\pm 2.5\%$ max	Derating: See Derating Curve
Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ max	Humidity Non-Condensing: 20 to 95% RH
Ripple & Noise(20Mhz BW): 1% p-p max	Physical Specifications:
Short Circuit Protection: Power fold back	Case Material: Black coated copper with non-conductive plastic base
Over load protection: Build-in	Weight: 32grams typical



7.5watt / 2" × 1" × 0.45" Package / 500Vdc isolation

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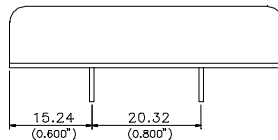
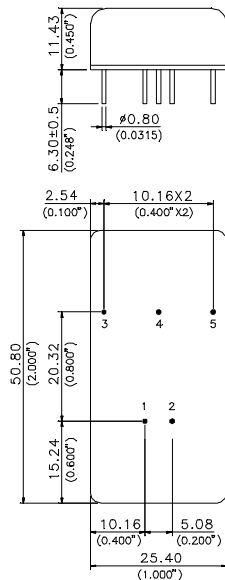
Model Selection Table:

Model no.	Input			Output		Efficiency Typical① %	Package	External Fuse② (A)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)			
		No-Load	Full-Load					
LD151-12S05	9-18	50	830	5	1500	75	LD	2
LD625-12S12	9-18	50	800	12	625	78	LD	2
LD500-12S15	9-18	50	780	15	500	80	LD	2
LD750-12D05	9-18	50	830	±5	±750	75	LD	2
LD300-12D12	9-18	50	800	±12	±300	75	LD	2
LD250-12D15	9-18	50	830	±15	±250	75	LD	2
LD151-24S05	18-36	30	410	5	1500	75	LD	1
LD625-24S12	18-36	30	390	12	625	80	LD	1
LD500-24S15	18-36	30	400	15	500	78	LD	1
LD750-24D05	18-36	30	400	±5	±750	78	LD	1
LD300-24D12	18-36	30	395	±12	±300	76	LD	1
LD250-24D15	18-36	30	410	±15	±250	76	LD	1
LD151-48S05	36-72	20	200	5	1500	78	LD	0.5
LD625-48S12	36-72	20	195	12	625	80	LD	0.5
LD500-48S15	36-72	20	195	15	500	80	LD	0.5
LD750-48D05	36-72	20	200	±5	±750	78	LD	0.5
LD300-48D12	36-72	20	215	±12	±300	73	LD	0.5
LD250-48D15	36-72	20	215	±15	±250	73	LD	0.5

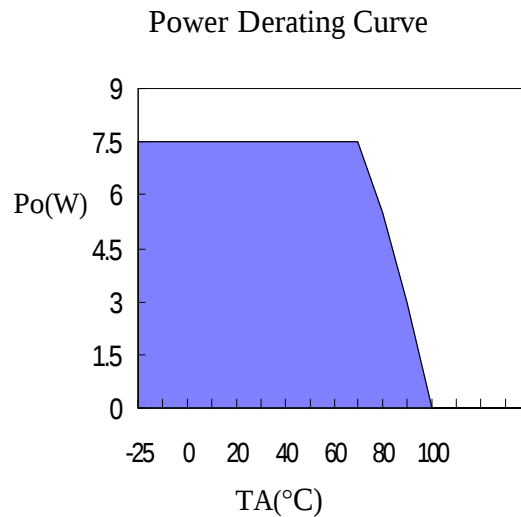
①Efficiency is specified at nominal input voltage and full load.

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

Package LD:



PIN	SINGLE	DUAL
1	+INPUT	+INPUT
2	-INPUT	-INPUT
3	+OUTPUT	+OUTPUT
4	NO PIN	COMMON
5	-OUTPUT	-OUTPUT



Unit: mm(inch)±0.25(0.010)