

0.5-1.0 watt DIP package/1KVdc Isolation

YCL

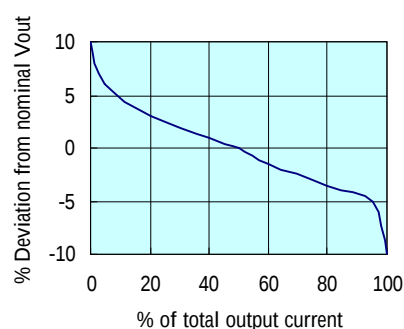
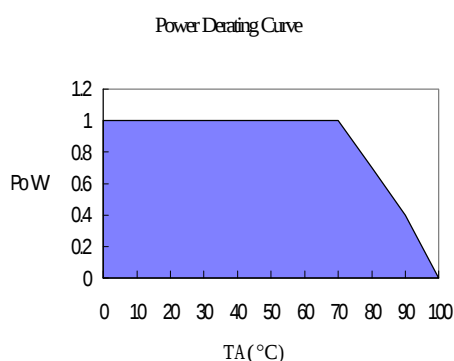
LA series

Feature:

- Internal SMD Construction.
- Miniature DIP Package
- 1000Vdc Input/Output Isolation
- Single Isolated Output.
- No External Components required
- Low Profile and Compact Size

Specifications: At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: $\pm 10\%$	Isolation Voltage: 1,000Vdc
Input Filter: Internal Capacitor	Efficiency: see table
Output Specifications:	Switching Frequency: 100Khz typical
Output Voltage & Current: see table	Isolation Resistance: 1000M ohm
Voltage Accuracy: $\pm 5\%$ max	Environmental Specifications:
Line Regulation(full load): $\pm 10\%$ max	Operating Temperature: 0 to + 71°C
Load Regulation at full load to 1/4 load: 3.3V and 5V output type: $\pm 15\%$ max 9V/12V/15V output type: $\pm 10\%$ max	Storage Temperature: -40 to +105°C
Temperature Coefficient: $\pm 0.03\%/^{\circ}\text{C}$ max	Cooling: Free air convection
Ripple & Noise(20Mhz BW): 3.3V and 5V output type: 100mVp-p max. 9V/12V/15V output type: 1% p-p max.	Derating: See Derating Curve
Short Circuit Protection: Momentary	Humidity Non-Condensing: 20 to 95% RH
	Physical Specifications:
	Case Material: Non-conductive plastic case
	Lead temp. 1.5mm from case in 10 Sec: 105°C
	Weight: 1.5 grams typical



0.5-1.0 watt DIP package/1KVdc Isolation

YCL

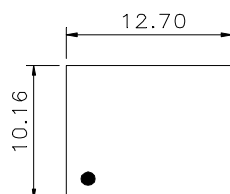
LA series

Model Selection Table:

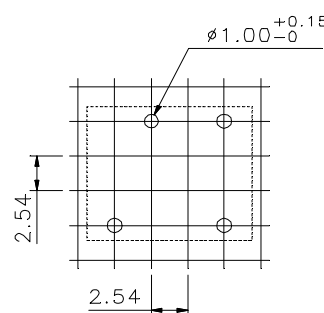
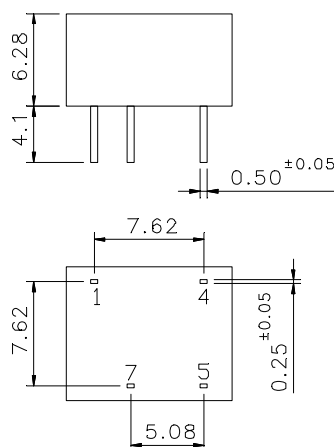
Model no.	Input			Output		Efficiency Typical① %	Package
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)		
		No-Load	Full-Load				
LA0305	3.3	25	466	5	200	65	LA
LA0309	3.3	25	428	9	110	70	LA
LA0312	3.3	25	436	12	84	70	LA
LA0315	3.3	25	435	15	67	70	LA
LA0503	5	20	156	3.3	154	65	LA
LA0505	5	20	285	5	200	70	LA
LA0509	5	20	265	9	110	75	LA
LA0512	5	20	268	12	84	75	LA
LA0515	5	20	268	15	67	75	LA
LA1205	12	10	119	5	200	70	LA
LA1209	12	10	110	9	110	75	LA
LA1212	12	10	112	12	84	75	LA
LA1215	12	10	111	15	67	75	LA
LA2405	24	5	60	5	200	70	LA
LA2409	24	5	55	9	110	75	LA
LA2412	24	5	56	12	84	75	LA
LA2415	24	5	55	15	67	75	LA

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

Outline Dimensions: (All dimensions in mm XX.X_{±0.50}, XX.XX_{±0.25})



PIN CONNECTIONS	
1	—INPUT
4	+INPUT
5	+OUTPUT
7	—OUTPUT



recommended footprint details