

查询"A0509LT-2W"供应商



A_LT-2W Series

**FIXED INPUT ISOLATED & UNREGULATED
2W DUAL OUTPUT
ULTRAMINIATURE SMD PACKAGE**

Multi-country patent protection **RoHS**

FEATURES

- High Efficiency up to 85%
- High Power Density
- SMD Package Styles
- Small Footprint
- 1kVDC Isolation
- Temperature Range: -40°C ~+85°C
- Industry Standard Pinout
- No Heatsink Required
- No External Component Required
- RoHS Compliance

APPLICATIONS

The A_LT-2W Series are specially designed for applications where a group of polar power supplies are isolated from the input power supply in a distributed power supply system on a circuit board.

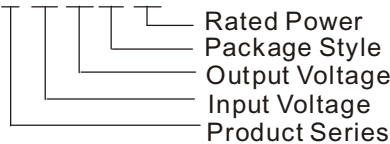
These products apply to:

- 1) Where the voltage of the input power supply is fixed (voltage variation $\leq \pm 10\%$);
- 2) Where isolation is necessary between input and output (isolation voltage = 1000VDC);
- 3) Where the regulation of the output voltage and the output ripple noise are not demanding.

Such as: purely digital circuits, ordinary low frequency analog circuits, and IGBT power device driving circuits.

MODEL SELECTION

A0505LT-2W



PRODUCT PROGRAM

Part Number	Input		Output			Efficiency (% Typ)	Package Style
	Voltage (VDC)		Voltage (VDC)	Current (mA)			
	Nominal	Range		Max	Min		
A0505LT-2W	5	4.5~5.5	±5	±200	±20	82	SMD
A0509LT-2W			±9	±111	±11	83	SMD
A0512LT-2W			±12	±83	±8	84	SMD
A1205LT-2W	12	10.8~13.2	±5	±200	±20	83	SMD
A1209LT-2W			±9	±111	±11	84	SMD
A1212LT-2W			±12	±83	±8	84	SMD
A1215LT-2W			±15	±67	±7	85	SMD

Note: The A_T-1W series also are available in our company.

COMMON SPECIFICATIONS

Short circuit protection	1 second
Temperature rise at full load	25°C Max, 15°C Typ
Cooling	Free air convection
Operating temperature range	-40°C~+85°C
Storage temperature range	-55°C ~+125°C
Lead temperature	260°C (1.5mm from case for 10 seconds)
Storage humidity range	≤ 95%
Case material	Plastic (UL94-V0)
MTBF	>3,500,000 hours

ISOLATION SPECIFICATIONS

Item	Test conditions	Min	Typ	Max	Units
Isolation voltage	Tested for 1 minute and 1mA max	1000			VDC
Isolation resistance	Test at 500VDC	1000			MΩ

OUTPUT SPECIFICATIONS

Item	Test conditions	Min	Typ	Max	Units
Output power		0.2		2	W
Line regulation	For Vin change of 1%			1.2	%
Load regulation	10% to 100% load (5V output)		10	15	%
	10% to 100% load (9V output)		6.5	15	
	10% to 100% load (12V output)		6.0	15	
	10% to 100% load (15V output)		6.0	15	
Output voltage accuracy	See tolerance envelope graph				
Temperature drift	100% full load			0.03	%/°C
Output ripple	20MHz Bandwidth		75	150	mVp-p
Noise	20MHz Bandwidth		150	250	
Switching frequency	Full load, nominal input		70		kHz

Note:

1. All specifications measured at TA=25°C, humidity<75%, nominal input voltage and rated output load unless otherwise specified.
2. See below recommended circuits for more details.

