LRS35

SWITCH MODE POWER SUPPLY



Features

- Compact, Low Cost & High Reliability
- PROTECTION : Shortcircuit, Overvoltage & Overload
- 100% Full Load Burn-in test
- LED Indicator for Power on
- Cooling by free air Convection
- CE Marked on all models
- 1 Year Warranty

INPUT SPECIFICATION

Voltage Range	100 - 120VAC 200 - 240VAC
Frequency Range	47 - 63Hz
Efficiency	LRS-35-5 : 77% LRS-35-12 : 81% LRS-35-24 : 84%
AC Current (typ.)	0.45A / 230VAC
Inrush Current (typ.)	30A / 230VAC (for cold start at 25°C)
Leakage Current	<1mA / 240VAC

OUTPUT SPECIFICATION

Rated Current	LRS-35-5 : 7.0A LRS-35-12 : 3.0A LRS-35-24 : 1.5A
Rated Power	35Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	LRS-35-5 : 80mVp-p LRS-35-12 : 120mVp-p LRS-35-24 : 120mVp-p
Setup Time	800ms / 230VAC at full load
Rise Time	20ms / 230VAC at full load
Hold Time(Typ.)	24ms / 230VAC at full load

PROTECTION

Overload	100% to 110% rated load current Protection Type : Hiccup mode, recovers automatically after fault condition is removed
Overvoltage	Protection Type : Shutdown output voltage, re-power on to recover

ENVIRONMENT

Temperature	Working : -10°C to +60°C (derating is required according to temperature) Storage : -20°C to +85°C (with no icing or condensation)
Humidity	Working : 20% to 90% RH Storage : 10% to 95% RH
Vibration Resistance	10 to 500Hz, 10min/1cycle (2 G) for 60min each in X, Y, Z directions

STANDARDS

Safety Standards	Meet the UL1012 requirement
EMC Standards	Meet the EN55022 CLASS A Equipment

SECURITY

Isolation Resistance	I/P and O/P ; I/P and FG ; O/P and FG : 100MΩ at 500VDC, 25°C, 70% RH
Dielectric Strength	Between I/P and O/P : 1.5kVAC for 1 min Between I/P and F.G : 1.5kVAC for 1 min Between O/P and F.G : 0.5kVAC for 1 min

OTHER SPECIFICATION

Weight	0.17kg
Dimension (L*W*H)	84*58*38 mm

ORDER CODE

MODEL	VOLTAGE	CURRENT
LRS-35-5	5VDC	7.0A
LRS-35-12	12VDC	3.0A
LRS-35-24	24VDC	1.5A

DIMENSIONS

Terminal Pin No. Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG ⏚
4	DC OUTPUT -V
5	DC OUTPUT +V

Dimension

PARAMETER	VALUE
Length	84mm
Breadth	58mm
Height	38mm
Weight	0.16kg

