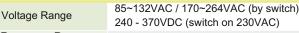
# SWITCH MODE POWER SUPPLY



#### **Features**

- AC input range selectable by switch
- PROTECTION: Shortcircuit, Overvoltage & Overload
- Compact, Low Cost & High Reliability
- 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**



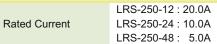
Frequency Range 47 - 63Hz

LRS-250-12 : 85% Efficiency LRS-250-24 : 88%

LRS-250-48 : 89%
AC Current (typ.) 4.0A/115VAC; 2.2A/230VAC

Inrush Current (typ.) 60A / 230VAC (for cold start at 25°C) Leakage Current <2.0mA / 240VAC

### **OUTPUT SPECIFICATION**



Rated Power 250Watts
Voltage ADJ. Range ±10% (with V.ADJ)

Voltage Tolerance ±1%

LRS-250-12: 150mVp-p LRS-250-24: 150mVp-p

LRS-250-48 : 200mVp-p

16ms/230VAC 12ms/115VAC at full load

 Setup Time
 500ms / 230VAC; 500ms / 115VAC at full load

 Rise Time
 30ms / 230VAC; 30ms / 115VAC at full load

#### **PROTECTION**

Hold Time(Typ.)

Ripple & Noise(max)

Overload

110% to 140% 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

Shut down o/p voltage, re-power on to recover

## ENVIRONMENT

Working: -30°C to +70°C
(derating is required according to temperature)
Storage: -40°C to +85°C
(with no icing or condensation)

Working: 20% to 90% RH
Storage: 10% to 95% RH

Vibration Resistance
10 to 500Hz, 10min/1cycle (2G) for 60min each in X, Y, Z directions

Temp. Coefficient

Working: -30°C to +70°C
(with no icing or condensation)

Temperature

Storage: -40°C to +85°C
(with no icing or condensation)

#### **STANDARDS**

Safety Standards Meet the EN60950-1 requirement
EMC Standards Meet the EN55022 (CISPR22), EN55024
EMC Immunity Meet the EN61000-3-2,3

### **SECURITY**

#### OTHER SPECIFICATION

 Weight
 0.76kg

 Dimension (L\*W\*H)
 215\*115\*30 mm

#### **ORDER CODE**

 MODEL
 VOLTAGE
 CURRENT

 LRS-250-12
 12VDC
 20.0A

 LRS-250-24
 24VDC
 10.0A

 LRS-250-48
 48VDC
 5.0A

## **DIMENSIONS**

