# Features

## LED DRIVER

- 25W Class II AC-DC LED Power Supply
- 500mA, 700mA, 1050mA or 1400mA Output
- Active Power Factor Correction >0.90
- Efficiency to 85%
- EN and UL

## Selection Guide

| Part Number | Rated Power (W) | Output Current (mA) | Output Voltage (VDC) | Efficiency (typ.) |
|---|---|---|---|---|
| RACD25-500P | 25 | 500 | 42 - 52 | 82% |
| RACD25-700P | 25 | 700 | 21 - 36 | 85% |
| RACD25-1050P | 25 | 1050 | 16 - 24 | 84% |
| RACD25-1400P | 25 | 1400 | 12-18 | 83% |

## Specifications (measured at 230VAC and 25°C ambient temperature)

| | | |
|---|---|---|
| Input Voltage Range | | 90-295 VAC or 127-417 VDC |
| Input Frequency Range | | 47-63Hz |
| Power Factor | Full Load, 230VAC | >0.90 |
| | Full Load, 115VAC | >0.98 |
| THD | Full Load, 115VAC/230VAC | 12% max. |
| | Full Load, 277VAC | 14% max. |
| Current Accuracy | 700mA Version | ±7% |
| | others | ±8% |
| AC Input Current | 115VAC | 0.4A |
| | 230VAC | 0.2A |
| Ilnrush Current (<2ms) | 264VAC | Cold Start 20A |
| Isolation Voltage | | 3.75kVAC |
| Short Circuit Protection | | Continuous |
| Over Voltage Protection | | 110% - 150% |
| Over Temperature Protection | Rth | Internal Thermistor |
| | Type | Auto-Recovery Mode |
| Vibration | 10-500Hz | 2G for 60 min. each along X, Y, Z axes |
| Storage Humidity | | 10% - 95% RH |
| Operating Humidity | | 20% - 95% RH Non-Condensing |
| Weight | | 220g |
| Dimension | | 174.5 x 30.5 x 25mm |
| Operating Temperature | | -20°C to +50°C |
| Storage Temperature | | -40°C to +80°C |
| Ripple & Noise | | 3V max. |
| IP Rating | | IP67 |
| Isolation Resistance | | 100MΩ / 500VDC at 25°C |
| Safety Standards | | EN61347-1 |
| | | EN61347-2-13 |
| | | UL8750 |
| | | EN61000-3-2 Class C |
| | | EN61000-4-2,3,4,5,6,11 |
| | | EN61547 |
| | | EN55015 FCC15 |
| MTBF (+25°C) | using MIL-HDBK 217F | 200 x $10^3$ hours |
| Desing Lifetime | | 70 x $10^3$ hours |

The use of a circuit breaker with C-characteristic is recommended.

**LIGHTLINE**
AC/DC-Converter
with 5 year Warranty

RECOM

# 25 Watt PFC Single Output

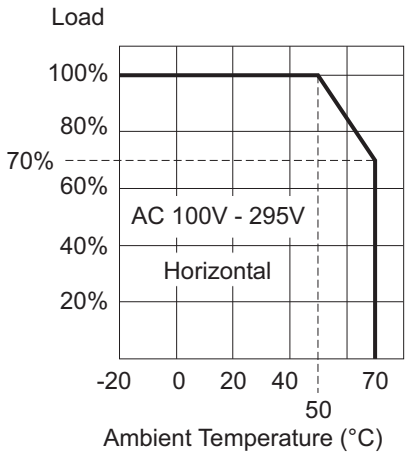


RoHS 2011/65/EU 6/6

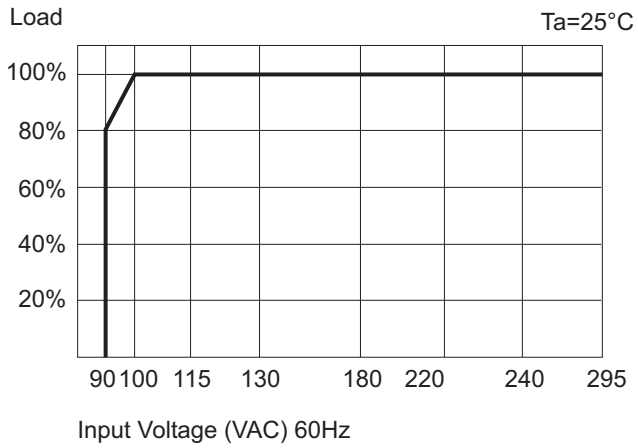
**UL 8750 Certified**
**EN 61347 Certified**

# RACD25

## Derating-Graph
(Ambient Temperature)



## Typical Charasteristics




## Package Style & Pinning

