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	Rated	Output	Output	Efficiency
Number	Power	Current	Voltage	
	(W)	(mA)	(VDC)	(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%

Power Factor Full Load, 230VAC >0.90	pecifications (measured at 230	OVAC and 25°C ambient temperature)			
Full Load, 230VAC >0.90	Input Voltage Range		90-295 VAC or 127-417 VDC		
Full Load, 115VAC >0.96	Input Frequency Range		47-63Hz		
Full Load, 115VAC/230VAC	Power Factor	Full Load, 230VAC	>0.90		
Full Load, 277VAC		Full Load, 115VAC	>0.98		
Current Accuracy 700mA Version ±7% others ±8% AC Input Current 115VAC 0.44 230VAC 0.24	THD	Full Load, 115VAC/230VAC	12% max.		
AC Input Current 115VAC 0.44 230VAC 0.24 Inrush Current (<2ms)		Full Load, 277VAC	14% max.		
AC Input Current	Current Accuracy	700mA Version	±7%		
230VAC 0.24 Inrush Current (<2ms) 264VAC Cold Start 204 Solation Voltage 3.75kVAC / 1minute Short Circuit Protection Continuous Over Voltage Protection 110% - 150% Over Temperature Protection Rth Internal Thermiston Type Auto-Recovery Mode Auto-Reco		others	±8%		
Inrush Current (<2ms) 264VAC Cold Start 20A	AC Input Current	115VAC	0.4A		
solation Voltage 3.75kVAC / 1minute Short Circuit Protection Continuous Over Voltage Protection Rth Internal Thermiston Over Temperature Protection Rth Internal Thermiston Type Auto-Recovery Mode Vibration 10-500Hz, 2G, 60 Min. along X, Y and Z 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 -20°C to +50°C Storage Temperature -40°C to +80°C Storage Temperature 100MΩ / 500VDC at 25°C Storage Temperature 100MΩ / 500VDC at 25°C Safety Standards EN61347-1 EN61347-2-13 UL875C EN61000-3-2 Class C EN61000-3-2 Class C EN61000-4-2,3,4,5,6,11 EN655015 FCC15 WTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours		230VAC	0.2A		
solation Voltage 3.75kVAC / 1minute Short Circuit Protection Continuous Over Voltage Protection Rth Internal Thermiston Over Temperature Protection Rth Internal Thermiston Type Auto-Recovery Mode Vibration 10-500Hz, 2G, 60 Min. along X, Y and Z 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 -20°C to +50°C Storage Temperature -40°C to +80°C Storage Temperature 100MΩ / 500VDC at 25°C Storage Temperature 100MΩ / 500VDC at 25°C Safety Standards EN61347-1 EN61347-2-13 UL875C EN61000-3-2 Class C EN61000-3-2 Class C EN61000-4-2,3,4,5,6,11 EN655015 FCC15 WTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours	Inrush Current (<2ms)	264VAC	Cold Start 20A		
Short Circuit ProtectionContinuous 110% - 150%Over Voltage ProtectionRthInternal Thermistor TypeOver Temperature ProtectionRthInternal ThermistorTypeAuto-Recovery Mode Auto-Recovery ModeVibration10-500Hz, 2G, 60 Min. along X, Y and ZStorage Humidity20% - 95% RH Non-CondensingWeight20% - 95% RH Non-CondensingWeight220gDimension174.5 x 30.5 x 25mmOperating Temperature-20°C to +50°CStorage Temperature-20°C to +80°CRipple & Noise3V maxP RatingIP67solation Resistance100MΩ / 500VDC at 25°CSafety StandardsEN61347-2-13 UL875CUBAT5-CEN61000-3-2 Class CEN61000-3-2 Class CEN61000-4-2,3,4,5,6,11 EN55015 FCC15WTBF (+25°C)using MIL-HDBK 217F200 x 10³ hours	Isolation Voltage		3.75kVAC / 1minute		
Over Temperature ProtectionRthInternal ThermistonTypeAuto-Recovery ModeVibration10-500Hz, 2G, 60 Min. along X, Y and ZStorage Humidity10% - 95% RHOperating Humidity20% - 95% RH Non-CondensingWeight220gDimension174.5 x 30.5 x 25mmOperating Temperature-20°C to +50°CStorage Temperature-40°C to +80°CRipple & Noise3V maxP RatingIP67solation Resistance100MΩ / 500VDC at 25°CSafety StandardsEN61347-1EN61347-2-13 UL875CEN61000-3-2 Class CEN61000-4-2,3,4,5,6,11 EN655015 FCC18MTBF (+25°C)using MIL-HDBK 217F200 x 10³ hours	Short Circuit Protection		Continuous		
Over Temperature ProtectionRthInternal ThermistorTypeAuto-Recovery ModeVibration10-500Hz, 2G, 60 Min. along X, Y and ZStorage Humidity10% - 95% RHOperating Humidity20% - 95% RH Non-CondensingWeight220gDimension174.5 x 30.5 x 25mmOperating Temperature-20°C to +50°CStorage Temperature-40°C to +80°CRipple & Noise3V maxP RatingIP67solation Resistance100MΩ / 500VDC at 25°CSafety StandardsEN61347-1EN61347-2-13 UL875CEN61000-3-2 Class CEN61000-4-2,3,4,5,6,11 EN655015 FCC18MTBF (+25°C)using MIL-HDBK 217F200 x 10³ hours	Over Voltage Protection		110% - 150%		
Type Auto-Recovery Mode Vibration 10-500Hz, 2G, 60 Min. along X, Y and Z 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 P Rating PRating PP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-2-13 UL8750 EN61000-3-2 Class G EN61000-4-2,3,4,5,6,11 EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours		Rth	Internal Thermistor		
Vibration 10-500Hz, 2G, 60 Min. along X, Y and Z	·	Туре	Auto-Recovery Mode		
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 P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-2-13 UL875C EN61000-3-2 Class C EN61000-4-2,3,4,5,6,11 EN61547 EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours	Vibration	10-50	10-500Hz, 2G, 60 Min. along X, Y and Z		
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 P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-2-13 UL8750 EN61000-3-2 Class Cla	Storage Humidity		10% - 95% RH		
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 P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-1 EN61347-2-13 UL875C EN61000-3-2 Class C EN61000-4-2,3,4,5,6,11 EN61547 EN61547 EN55015 FCC15 MTBF (+25°C)	Operating Humidity		20% - 95% RH Non-Condensing		
Operating Temperature -20°C to +50°C Storage Temperature -40°C to +80°C Ripple & Noise 3V max P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-1 EN61347-2-13 UL875C EN61000-3-2 Class Cla	Weight		2200		
Storage Temperature -40°C to +80°C Ripple & Noise 3V max P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards EN61347-1 EN61347-2-13 UL875C 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 10³ hours	Dimension		174.5 x 30.5 x 25mm		
Ripple & Noise 3V max P Rating IP67 solation Resistance 100MΩ / 500VDC at 25°C Safety Standards 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 10³ hours	Operating Temperature		-20°C to +50°C		
P Rating IP67 solation 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 10³ hours	Storage Temperature		-40°C to +80°C		
Solation Resistance 100MΩ / 500VDC at 25°C 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 10³ hours	Ripple & Noise		3V max		
Safety Standards EN61347-1 EN61347-2-13 UL8750 EN61000-3-2 Class 0 EN61000-4-2,3,4,5,6,11 EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours	IP Rating		IP67		
EN61347-2-13 UL8750 EN61000-3-2 Class 0 EN61000-4-2,3,4,5,6,11 EN61547 EN55015 FCC15 WTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours	solation Resistance		100MΩ / 500VDC at 25°C		
UL8750 EN61000-3-2 Class 0 EN61000-4-2,3,4,5,6,11 EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours	Safety Standards		EN61347-1		
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 10³ hours			EN61347-2-13		
EN61000-4-2,3,4,5,6,11 EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours			UL8750		
EN61547 EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10 ³ hours			EN61000-3-2 Class C		
EN55015 FCC15 MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours					
MTBF (+25°C) using MIL-HDBK 217F 200 x 10³ hours					
<u> </u>	MTDE (, OEGO)	MILLIDDI/ 047E			
		using Mil-HDBK 21/F			

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

LIGHTLINE

AC/DC-Converter with 5 year Warranty



25 Watt PFC Single Output



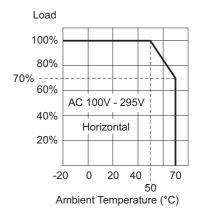


UL 8750 Certified EN 61347 Certified

RACD25-P

Derating-Graph

(Ambient Temperature)



Note:

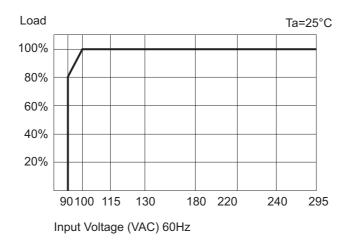
All LED Drivers may not be used without a load. They must be switched on the primary side only. Noncompliance may damage the LED or reduce its lifetime.

Refer to Application Notes



RACD25-P Series

Typical Charasteristics



Package Style & Pinning

