





Features:

- Work with leading edge and trailing edge dimmers
- 115VAC and 230VAC inputs available
- · Fully isolated plastic case
- Built-in constant current limiting circuit
- Protections: Short circuit / Overload / Over temperature
- Built-in active PFC function
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- 3 years warranty



PCD-25-350 $\overline{\mbox{A}}$ A: With AC input 90~ 135VAC. B: With AC input 180~ 295VAC.

SPECIFICATION

MODEL		PCD-25-350	PCD-25-700	PCD-25-1050	PCD-25-1400
OUTPUT	RATED CURRENT	350mA	700mA	1050mA	1400mA
	OPERATING VOLTAGE RANGE	40 ~ 58V	24~36V	16 ~ 24V	12 ~ 18V
	CURRENT RANGE	0 ~ 350mA	0 ~ 700mA	0 ~ 1050mA	0 ~ 1400mA
	RATED POWER	20.3W	25.2W	25. <mark>2</mark> W	25.2W
	RIPPLE & NOISE (max.) Note.1	4.6Vp-p	2.7Vp-p	2.2Vp-p	2Vp-p
	OUTPUT VOLTAGE (max.)	63V	50V	35V	25V
	SETUP TIME	1000ms / 230VAC 2000ms / 115VAC at full load			
INPUT	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF≧0.9 at full load and rated output voltage			
	EFFICIENCY(Typ.)	82%	81%	80.5%	80%
	AC CURRENT	0.6A/115VAC 0.3A/230VAC			
	INRUSH CURRENT(max.)	40A/230VAC			
	LEAKAGE CURRENT	<0.5mA/240VAC			
PROTECTION	OVER CURRENT	95 ~ 110%			
	OVERCORRENT	Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.			
	OVER TEMPERATURE	95°C ±10°C (T <mark>SW1) detect on heatsink</mark> of power transistor			
		Protection type: Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMP.	-30 ∼ +60 °C (Refer to o <mark>utput load de</mark> rating curve)			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C <mark>, 10 ~ 95</mark> % RH			
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL1310 Class 2, TUV EN61347-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91(except for 48V) approved			
	WITHSTAND VOLTAGE	I/P- <mark>O</mark> /P:3.75KV <mark>AC</mark>			
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH			
	EMI CONDUCTION & RADIATION	Compliance to EN55015 Class B			
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C; EN61000-3-3			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024,EN61547, light industry level, criteria A			
-	MTBF	Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	84*57*29.5mm (L*W*H)			
	PACKING	0.19Kg; 72pcs/14.7Kg/0.75CUFT			
NOTE	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Direct connecting to LEDs is not suggested for models with "RIPPLE & NOISE" >±10% and using additional drivers is highly recommended.				



