



Features:

- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- 5"x3" compact size
- Free air convection for 100W and 150W with 20.5 CFM forced air
- With power good and fail signal output
- No load power consumption under 0.75W by PS-ON control (G model)
- Standby 5V@0.8A with fan, @0.6A without fan (G model)
- 3 years warranty

G: With 5Vsb & no load power consumption < 0.75 W

Blank: Basic function (without 5Vsb)

RPD G - 160B



SPECIFICATION				
MODEL		RPD-160B		
	OUTPUT NUMBER	CH1	CH2	
ОИТРИТ	DC VOLTAGE	5V	24V	
	RATED CURRENT (20.5CFM)	12A	3.6A	
	CURRENT RANGE (convection)	1 ~ 6A	0.2 ~ 2.8A	
	CURRENT RANGE (20.5CFM)	1 ~ 12A	0.2 ~ 3.6A	
	RATED POWER (convection) Note.7	7 100.2W		
	RATED POWER (20.5CFM) Note.8			
	RIPPLE & NOISE (max.) Note.2		200mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 5 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3		±6.0%	
	LINE REGULATION	±0.5%	±1.0%	
	LOAD REGULATION	±1.5%	±3.0%	
	SETUP, RISE TIME	1200ms, 30ms/230VAC 2500ms, 30ms/115VAC at full load		
	HOLD UP TIME (Typ.)	16ms/230VAC/115VAC at full load		
	` • • •	90 ~ 264VAC 127 ~ 370VDC		
INPUT		90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz		
	FREQUENCY RANGE			
	POWER FACTOR (Typ.)	PF>0.93/230VAC PF>0.98/115VAC at full load		
	EFFICIENCY (Typ.)	84%		
	AC CURRENT (Typ.)	1.7A/115VAC 0.9A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 35A/115VAC 70A/230VAC		
	LEAKAGE CURRENT	Earth leakage current <300uA / 264VAC, patient leakage current <100uA/264VAC		
PROTECTION	OVERLOAD	105 ~ 135% rated output power		
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V		
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover		
		105°C (TSW1) detect on heatsink of power transistor		
		90°C (TSW2) detect on heatsink of power transistor		
	OVER TEMPERATURE	Protection type: (TSW1)Shut down o/p voltage, recovers automatically after temperature goes down		
		Protection type: (TSW2)Shut down o/p voltage, re-power on to recover		
FUNCTION	5V STANDBY (G model)	5VSB : 5V@0.6A without fan, 0.8A with fan 20.5CFM ; tolerance ± 2%, ripple : 50mVp-p(max.)		
	PS-ON INPUT SIGNAL (G model)			
	POWER GOOD / POWER FAIL			
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60601-1, TUV EN60601-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN60601-1-2, EN61204-3, medical level, criteria A		
OTHERS	MTBF	196.3Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	127*76.2*34.6mm (L*W*H)		
	PACKING	0.33Kg; 36pcs/12.9Kg/0.79CUFT		
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. HS1,HS2 & HS3 can not be shorted. Derating may be needed under low input voltages. Please check the derating curve for more details. The rated power includes 5Vsb @ 0.6A. The rated power includes 5Vsb @ 0.8A. 			



