## TOTAL POWER INT'L

45W Single Output Medical Type

MPS-45 series



26.4W

RATED POWER

LEAKAGE CURRENT

PACKING

NOTE

## Features :

- Universal AC input / Full range
- Low leakage current ≤0.3mA
- Protections:Short circuit/Over load/Over voltage
- · Cooling by free air convection

44.6W

45W

45.6W

45.9W

48W

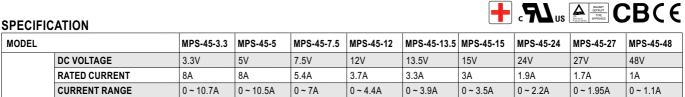
100mVp-p

43.2 ~ 52.8V ±2.0% ±1.0%

- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 3 years warranty



40W



44 4W

	OUTPUT	OUTPUT POWER (max.)	52W(+3.3V:35W)with 18CFM min. Forced air convection							
		RIPPLE & NOISE (max.) Note.2	80mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
		VOLTAGE ADJ. RANGE	2.97 ~ 3.63V	4.5 ~ 5.5V	6.75 ~ 8.25V	10.8 ~ 13.2V	12.2 ~ 14.85V	13.5 ~ 16.5V	21.6 ~ 26.4V	24.3 ~ 29.7V
		VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
		LINE DECILIATION	±4.00/	±1 ∩0/	±4 ∩0/	±1 00/	±1 00/	±1 00/	±1 00/	⊥1 O0/

	LOAD REGULATION	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD TIME	800ms, 30ms,	, 20ms/230VAC	1200ms	, 30ms, 12ms/1	115VAC at full l	oad			
	VOLTAGE RANGE	90 ~ 264VAC	127 ~ 370	OVDC						
	FREQUENCY RANGE	47 ~ 440Hz								
			1		1	1	1			

	INPUT	FREQUENCY RANGE	47 ~ 440Hz										
		EFFICIENCY(Typ.)	65%	72%	75%	76%	76%	77%	78%	78%	78%		
		AC CURRENT	1.2A/115VAC 0.7A/230VAC										
		INRUSH CURRENT(max.)	COLD START	'AC									

53 ~ 75W (3.3V:36 ~ 55W) rated output power OVERIOAD Protection type: Hiccup mode, recovers automatically after fault condition is removed

**PROTECTION** 3.8 ~ 4.46V | 5.75 ~ 6.75V | 8.63 ~ 10.1V | 13.8 ~ 16.2V | 15.5 ~ 18.2V | 17.25 ~ 20.25V | 27.6 ~ 32.4V | 31 ~ 36.45V | 55.2 ~ 64.8V **OVER VOLTAGE** Protection type: Hiccup mode, recovers automatically after fault condition is removed

WORKING TEMP. -10 ~ +60°C (Refer to output load derating curve) 20 ~ 90% RH non-condensing WORKING HUMIDITY

STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH ENVIRONMENT TEMP. COEFFICIENT ±0.04%/°C (0 ~ 50°C) 10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes VIBRATION

0.18Kg; 72pcs/15.1Kg/1.35CUFT

SAFETY STANDARDS UL2601-1, TUV EN60601-1, IEC601-1 Approved WITHSTAND VOLTAGE I/P-O/P:4KVAC I/P-FG:1.5KVAC O/P-FG:SHORT **ISOLATION RESISTANCE** I/P-O/P, I/P-FG:100M Ohms/500VDC SAFFTY &

<0.3mA/264VAC

**EMI CONDUCTION & RADIATION** Compliance to EN55011 (CISPR11) Class B **FMC** (Note 4) HARMONIC CURRENT

Compliance to EN61000-3-2,-3 **EMS IMMUNITY** Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN60601-1-2 Medical level, criteria A

MTBF 366.1Khrs min. MIL-HDBK-217F (25°C) **OTHERS DIMENSION** 127\*76.2\*28mm (L\*W\*H)

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

3. Tolerance: includes set up tolerance, line regulation and load regulation.

4. 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

5. Mounting holes M1 and M2 should be grounded for EMI purposes.

