



**SPECIFICATION** 

## 10W Single Output Medical Grade Switching Power Supply

PM-10 series



## ■ Features :

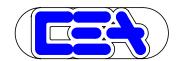
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Ultra-miniature size, light weight
- Cooling by free air convection
- $^{\bullet}$  Isolation class  ${\rm I\hspace{-.1em}I}$
- Medical safety approved (2 x MOPP between primary to secondary)
- No load power consumption<0.5W</li>
- 100% full load burn-in test
- Fixed switching frequency at 67KHz
- High reliability
- Suitable for BF application with appropriate system consideration
- 3 years warranty

<b>+</b> c <b>\$1</b> us	EN 66601-1 EDC 66601-1	CBC	
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MODEL		PM-10-3.3	PM-10-5	PM-10-12	PM-10-15	PM-10-24			
	DC VOLTAGE	3.3V	5V	12V	15V	24V			
	RATED CURRENT	2.5A	2A	0.85A	0.67A	0.42A			
	CURRENT RANGE	0 ~ 2.5A	0 ~ 2A	0 ~ 0.67A	0 ~ 0.42A				
	RATED POWER	8.25W	10.05W	10.08W					
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	240mVp-p			
DUTPUT	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%			
	LINE REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%			
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±0.5%			
	SETUP, RISE TIME	1800ms, 20ms/230VAC 1800ms, 20ms/115VAC at full load							
	HOLD UP TIME (Typ.)	100ms/230VAC 24ms/115VAC at full load							
	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 440Hz							
	EFFICIENCY (Typ.)	66%	74%	78%	79%	79%			
NPUT	AC CURRENT (Typ.)	0.25A/115VAC 0.15	A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 25A/115VA							
	LEAKAGE CURRENT Note.5	Touch current < 80u A/26	4VAC						
PROTECTION		Above 105% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
		3.8 ~ 4.95V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V			
	OVER VOLTAGE	Protection type: Shut off o/p voltage, clamping by zener diode							
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	$\pm 0.03\%$ C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1 approved							
	ISOLATION LEVEL	Primary-Secondary: 2xMOPP  I/P-O/P:4KVAC							
SAFETY &	WITHSTAND VOLTAGE								
EMC	ISOLATION RESISTANCE	CE I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
Note 4)	EMC EMISSION	Compliance to EN55011(CISPR11),EN55032 (CISPR32) Class B, EN61000-3-2,-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61204-3, medical level, criteria A							
OTHERS	MTBF	723.2Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	70*50*22.7mm (L*W*H)							
	PACKING	0.105Kg; 120pcs/13.6Kg/0.97CUFT							
NOTE	PACKING  1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. The power supply is consid EMC directives.	,							

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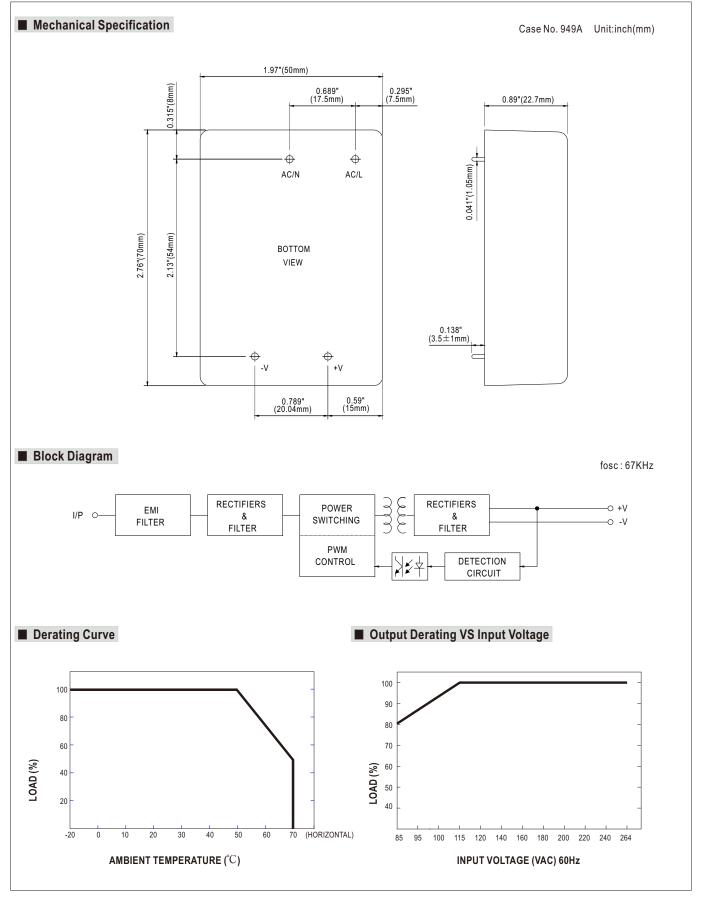






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