

00001101
CDECIEICATIONC

	MODEL		PMA30F-3R3	PMA30F-5	PMA30F-12	PMA30F-15	PMA30F-24	
	VOLTAGE[V]		AC85 - 264 1 ¢ (Refer to the Instruction Manual 1.1 and 3.2) *3					
		ACIN 100V	0.50typ (lo=100%)	0.70typ (lo=100%	o)			
	CURRENT[A]	ACIN 200V	0.30typ (lo=100%)	0.40typ (lo=100%	o)			
	FREQUENCY[Hz]		50 / 60 (47 - 440)					
-	EFFICIENCY[%]	ACIN 100V	67typ	71typ	76typ	77typ	77typ	
		ACIN 200V	69typ	74typ	78typ	80typ	80typ	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start)					
	INRUSH CURRENT[A]	ACIN 200V						
	LEAKAGE CURRENT[mA]		0.05 / 0.10max (ACIN 100V / 240V 60Hz, lo=100%, According to IEC60601-1)					
-	VOLTAGE[V]		3.3	5	12	15	24	
	CURRENT[A]		6.0	6.0	2.5	2.0	1.3	
	LINE REGULATION[mV]		20max	20max	48max	60max	96max	
	LOAD REGULATION[mV]		40max	40max	100max	120max	150max	
	RIPPLE[mVp-p]	0 to +50℃	80max	80max	120max	120max	120max	
	*1	-10 - 0°C	140max	140max	160max	160max	160max	
	RIPPLE NOISE[mVp-p] *1	0 to +50°C	120max	120max	150max	150max	150max	
UTPUT		-10 - 0°C	160max	160max	180max	180max	180max	
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	120max	150max	240max	
		-10 to +50℃	60max	60max	150max	180max	290max	
	DRIFT[mV]	DRIFT[mV] *2		20max	48max	60max	96max	
	START-UP TIME[ms]		200typ (ACIN 100V, lo=100%) * Start-up time is 700ms typ for less than 1 minute of applying input again from turning off the input vo					
	HOLD-UP TIME[ms]		20typ (ACIN 100V, lo=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 to 3.60	4.50 to 5.50	10.00 to 13.20	13.20 to 18.00	19.20 to 27.00	
	OUTPUT VOLTAGE SET	TING[V]	3.30 to 3.40	5.00 to 5.15	12.00 to 12.48	15.00 to 15.60	24.00 to 24.96	
	OVERCURRENT PROT	ECTION						
ROTECTION RCUIT AND	OVERVOLTAGE PROTECTION[V]		4.00 to 5.25	5.75 to 7.00	15.00 to 18.00	20.00 to 25.00	30.00 to 37.00	
HERS	OPERATING INDICATION		LED (Green)					
	REMOTE ON/OFF		Not provided					
	INPUT-OUTPUT		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)					
OLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)					
	OUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)					
NVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE		$\mathbf{J}_{\mathbf{J}}$					
	STORAGE TEMP., HUMID. AND ALTITUDE		-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis					
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis					
FETY AND	AGENCY APPROVALS		UL60601-1, C-UL (CSA-C22.2 No.601.1), EN60601-1					
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR11-B, CISPR22-B, EN55011-B, EN55022-B					
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) *6 (Not built-in to active filter *4)					
DTHERS -	CASE SIZE/WEIGHT		31×82×120mm [1.22×3.23×4.72 inches] (W×H×D) / 240g max (with cover : 280g max)					
	COOLING METHOD		Convection					

*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN: RM101).
 *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.

*3 Derating is required.

When two or more units are used, they may not comply with the harmonic attenuator. Please

*6 Please contact us about another class.

Parallel operation with other model is not possible. Derating is required when operated with cover. *

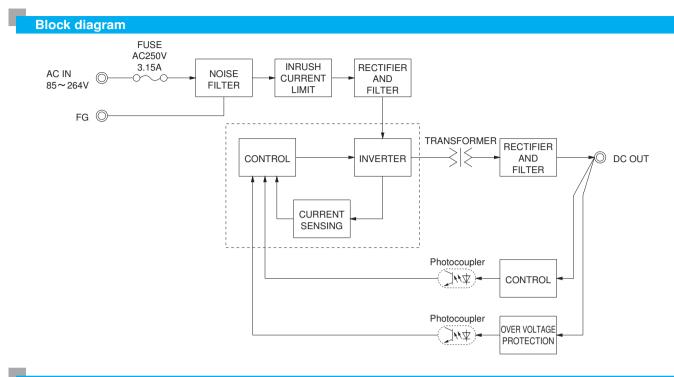
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A sound may occur from power supply at peak loading.

contact us for details.

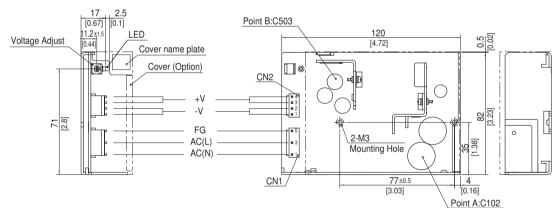
*4

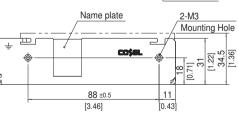




External view







% Point A,Point B are thermometry points. Please refer to Instruction Manual 3.

I/C	O Connector	Mating Connector	Terminal			
0.14	1-1123724-3	1-1123722-5	Chain	1123721-1		
CNT	1-1123/24-3		Loose	1318912-1		
ONIO	1-1123723-4	1-1123722-4	Chain	1123721-1		
CIN2			Loose	1318912-1		
(Mfr : Tyco Electronics AMP)						

I/O Connector is Mfr.Tyco Electronics AMP
 Option : -J1 : (J.S.T) connector type

 -T : Vertical terminal block type

-T1 : Horizontal terminal block type Refer to Instruction Manual 4.

<PIN CONNECTION>

CN1		CN2		
Pin No.	Pin No. Input		Pin No.	Output
1	AC(N)	1.0		-V
2			1, 2	-v
3	AC(L)	2.4	2.4	+V
4			3, 4	
5	FG			

% Tolerance : ±1 [±0.04]

% Weight : 240g max (with cover : 280g max)

* PCB Material/thickness : CEM-3 / 1.6mm [0.06inches]

% Chassis material : Aluminum

Keep drawing current per pin bellow 5A of CN2.
 Dimensions in mm, []=inches

※ Mounting torque : 0.49N ⋅ m (5kgf ⋅ cm) max

* Please connect safety ground to the unit in 2-M3 holes.