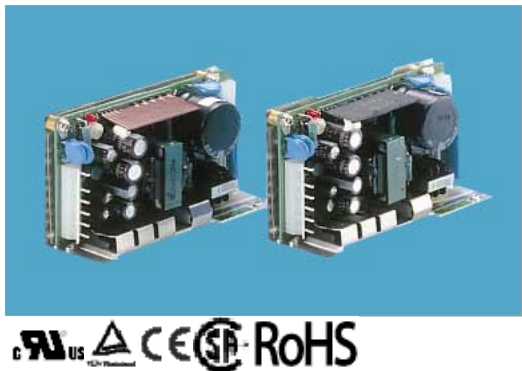


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PMC15E



Features

- Universal input (AC85-264V)
- V1 isolated from V2 and V3
- Small and compact size
- PMC50E, 75E, 100E : AC85 - 132V/AC170 - 264V)
- Built-in Inrush Current Protection
- Stabilized output voltage (V1, V2, V3)
- Built-in Over Voltage Protection
- RoHS Compliant

Safety Agency Approvals

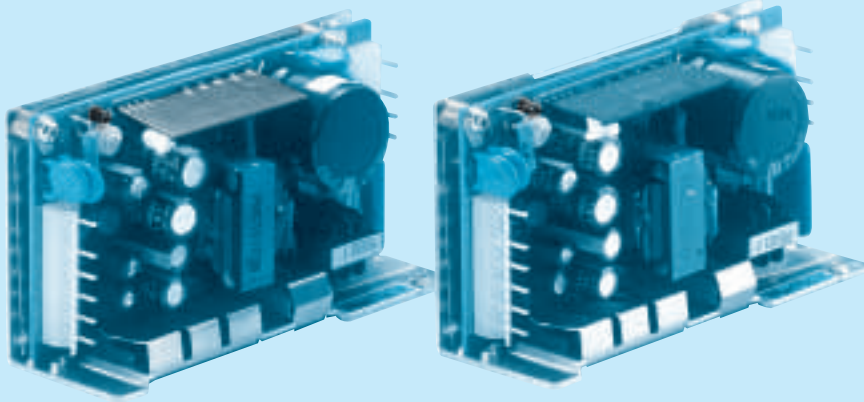
- Complies with DEN-AN
- UL1950
- CSA
- EN60950
- VDE0160

EMI Compliance

- FCC-B

3 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
PMC15E-1	DC 110 - 370 AC 85 - 264	16	-12 - 12V 0.2 - 2A
PMC15E-2	DC 110 - 370 AC 85 - 264	17.5	-15 - 15V 0.2 - 2A
PMC15E-3	DC 110 - 370 AC 85 - 264	14.6	-5 - 12V 0.2 - 2A



- ① Series name
 ② Output wattage
 ③ UL recognized, TÜV approved, CSA certified : E
 ④ Output voltage combination
 ⑤ Optional
 C : with Coating
 G : Low leakage current

MODEL		PMC15E-1	PMC15E-2	PMC15E-3
DC OUTPUT	V1	+5V 2.0A	+5V 2.0A	+5V 2.0A
	V2	+12V 0.3A	+15V 0.3A	+12V 0.3A
	V3	-12V 0.2A	-15V 0.2A	-5V 0.2A

SPECIFICATIONS

	MODEL		PMC15E-1			PMC15E-2			PMC15E-3		
INPUT	VOLTAGE[V]		AC85 - 264 1 ϕ or DC110 - 370								
	CURRENT[A]	ACIN 100V	0.4typ (Io=100%) Universal Input								
		ACIN 200V	0.2typ (Io=100%) Universal Input								
	FREQUENCY[Hz]		47 - 440 or DC								
	EFFICIENCY[%]	ACIN 100V	65typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-5
	CURRENT[A]		2.0	0.3	0.2	2.0	0.3	0.2	2.0	0.3	0.2
	MINIMUM CURRENT[A]		0.1	0	0	0.1	0	0	0.1	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	20max
	LOAD REGULATION[mV]		100max	120max	120max	100max	150max	150max	100max	120max	50max
	RIPPLE[mVp-p]		100max	60max	60max	100max	60max	60max	100max	60max	60max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]		0 to +50°C	50max	350max	350max	50max	350max	350max	50max	350max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%)								
PROTECTION CIRCUIT	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-4.75 to -5.25
	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically								
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)								
	INPUT-CASE		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)								
	OUTPUT-CASE		AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10M Ω min (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		0 to +65°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max								
	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, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.234, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

* Series/Parallel operation with other model is not possible.

External view

〈PIN CONNECTION〉

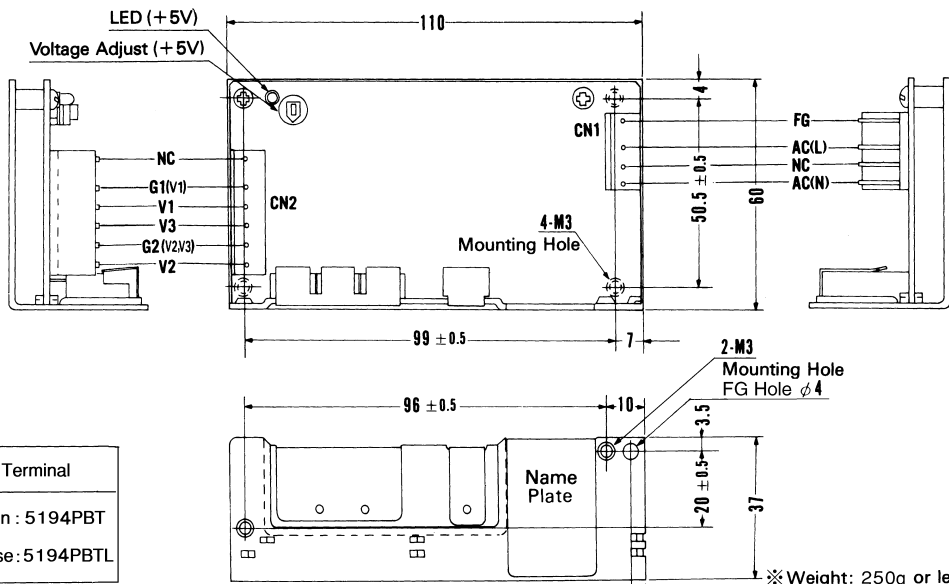
PIN NO.	INPUT
1	FG
2	AC (L)
3	NC
4	AC (N)

PIN NO.	OUTPUT
1	NC
2	G1
3	V1
4	V3
5	G2
6	V2

※V1 is isolated from V2 and V3.

I/O Connector	Mating Connector	Terminal
CN1	5289-4A	5199-04
CN2	5289-6A	5199-06

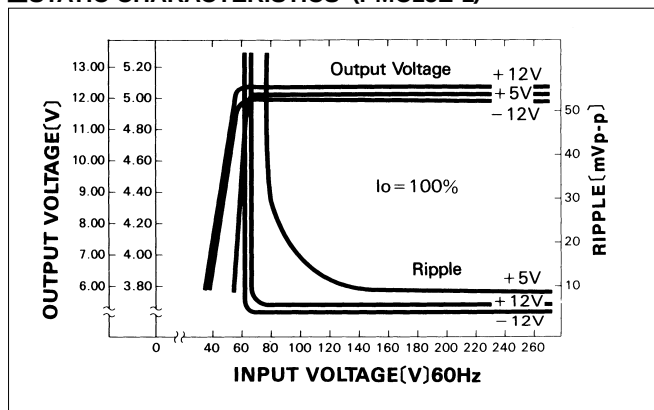
(Mfr: Molex)



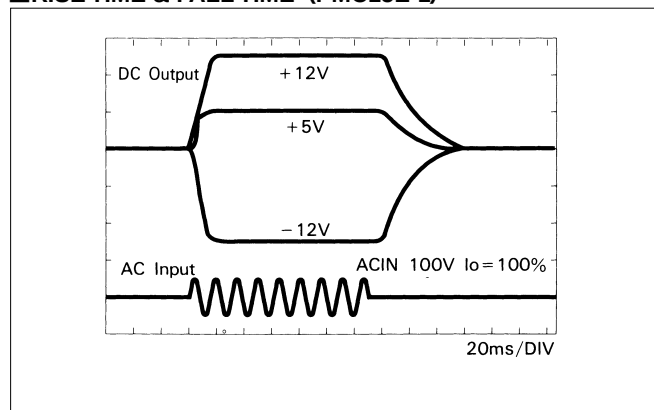
※Weight: 250g or less.
 ※Tolerance: ±1
 ※Dimensions in mm.
 ※Mounting torque : 0.49N·m (5.0 kgf·cm) max

Performance data

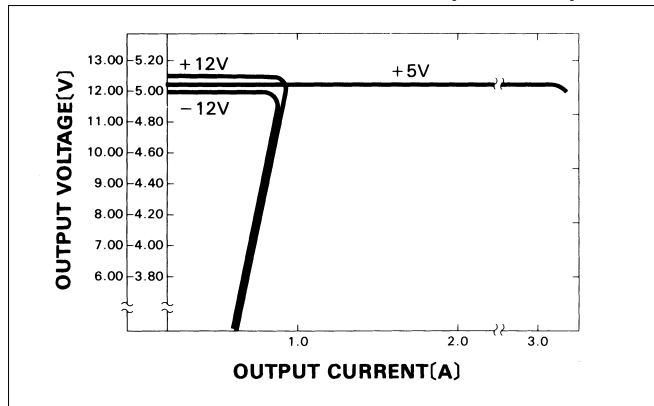
■STATIC CHARACTERISTICS (PMC15E-1)



■RISE TIME & FALL TIME (PMC15E-1)



■OVERCURRENT CHARACTERISTICS (PMC15E-1)



■DERATING CURVE

