



SPECIFICATION

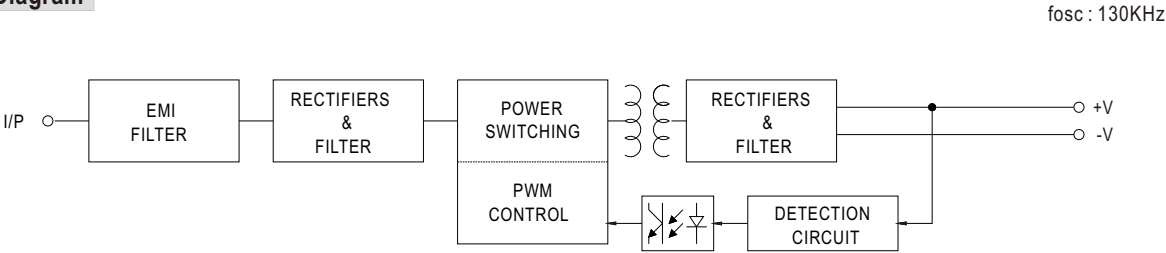
MODEL		IRM-01-3.3	IRM-01-5	IRM-01-9	IRM-01-12	IRM-01-15	IRM-01-24
OUTPUT	DC VOLTAGE	3.3V	5V	9V	12V	15V	24V
	RATED CURRENT	300mA	200mA	111mA	83mA	67mA	42mA
	CURRENT RANGE	0 ~ 300mA	0 ~ 200mA	0 ~ 111mA	0 ~ 83mA	0 ~ 67mA	0 ~ 42mA
	RATED POWER	1W	1W	1W	1W	1W	1W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	600ms, 30ms/230VAC 600ms, 30ms/115VAC at full load					
	HOLD UP TIME (Typ.)	40ms/230VAC 12ms/115VAC at full load					
INPUT	VOLTAGE RANGE	85 ~ 305VAC 120 ~ 430VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	66%	70%	72%	74%	75%	77%
	AC CURRENT (Typ.)	25mA/115VAC 18mA/230VAC 16mA/277VAC					
	INRUSH CURRENT (Typ.)	5A/115VAC 10A/230VAC					
	LEAKAGE CURRENT	< 0.25mA/277VAC					
PROTECTION	OVERLOAD	≥110% rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8 ~ 4.9V	5.2 ~ 6.8V	10.3 ~ 12.2V	12.6 ~ 16.2V	15.7 ~ 20.3V	25.2 ~ 32.4V
ENVIRONMENT	Protection type : Shut off o/p voltage, clamping by zener diode						
	WORKING TEMP.	-30 ~ +85°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +100°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 75°C)					
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved, Meet IEC60601-1, EN60335-1, EN61558-1/-2-16					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC					
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, heavy industry level (surge L-N : 1KV), criteria A					
OTHERS	MTBF	1960Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	PCB mounting style : 33.7*22.2*15mm (L*W*H) SMD style : 33.7*22.2*16mm (L*W*H)					
	PACKING	PCB mounting style : 0.019Kg; 640pcs/ 13.2 Kg/ 0.95CUFT SMD style : 0.019Kg; 640 pcs/ 13.2 Kg/ 0.95CUFT					
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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.					



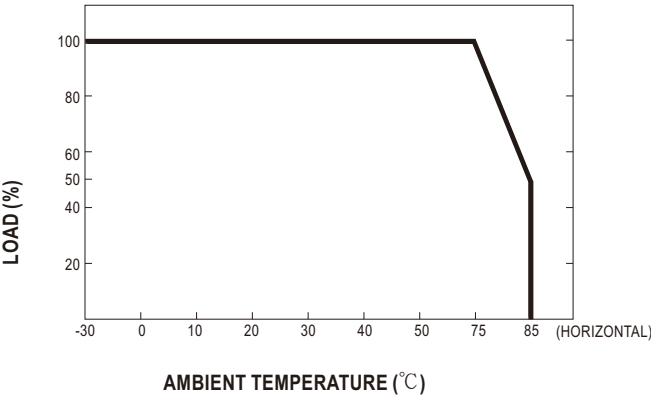
1W Single Output Encapsulated Type

IRM-01 series

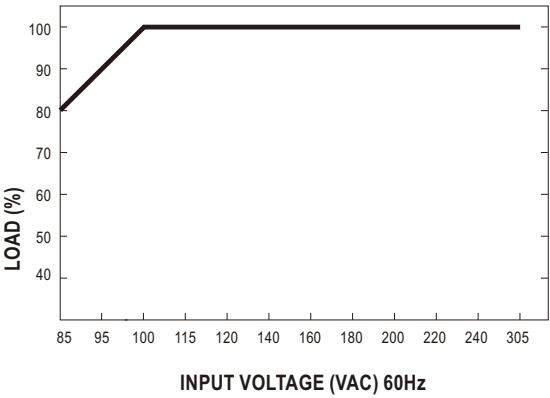
■ Block Diagram



■ Derating Curve



■ Static Characteristics



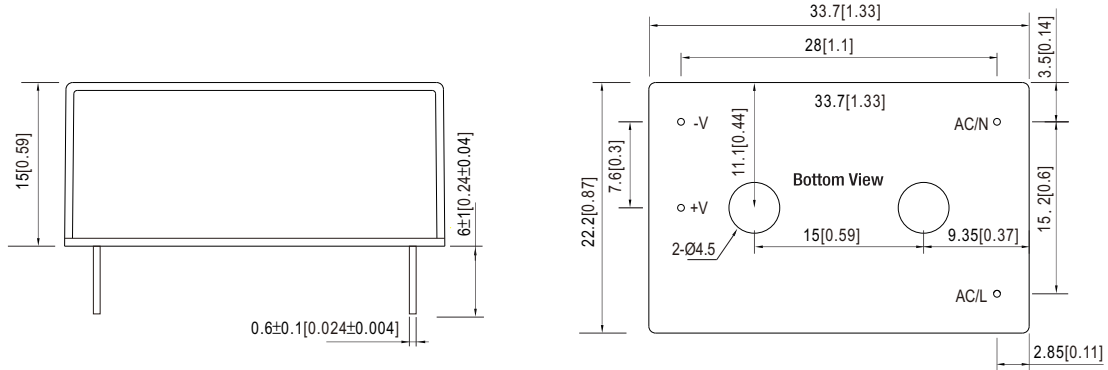
Mechanical Specification

◎ PCB mounting style

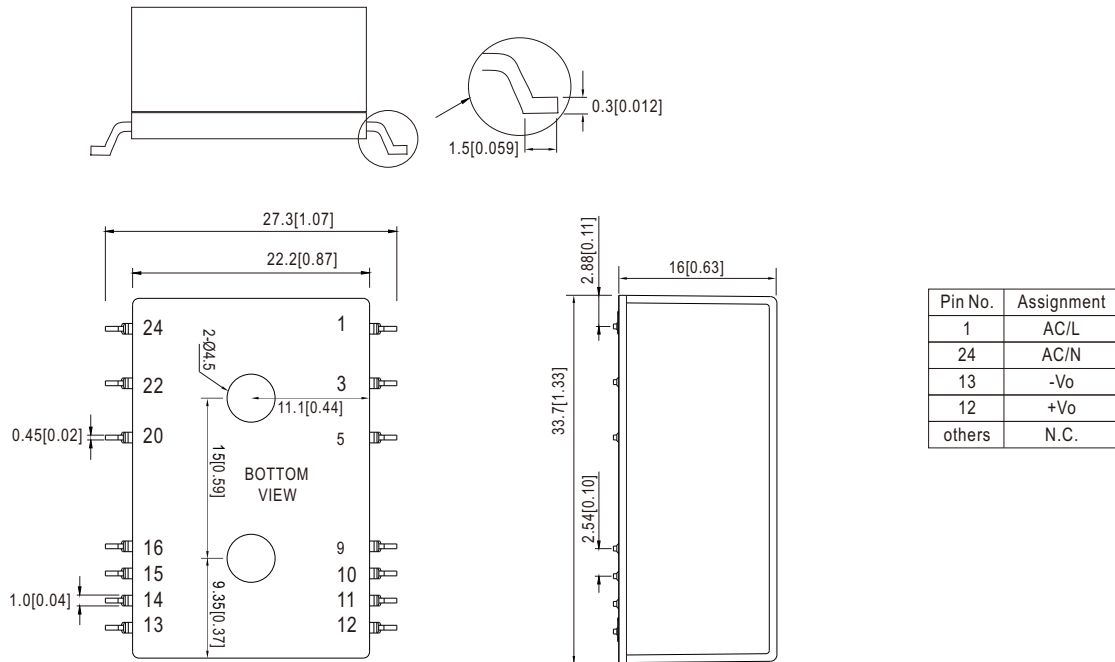
Case No. IRM02 Unit: mm[inch]

Tolerance: $\pm 0.5[\pm 0.02]$

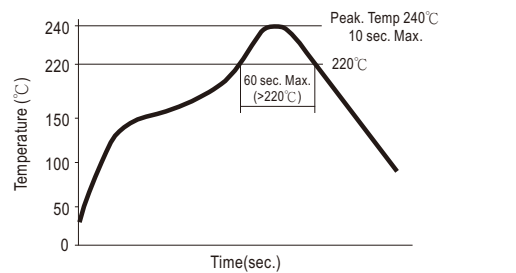
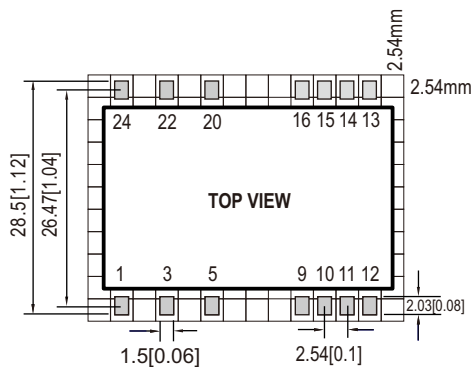
unless otherwise specified



◎ SMD style



Recommended PCB Layout (for SMD style) (Reflow soldering method available)



Remark : The curve applies only to the " Hot Air Reflow Soldering "

Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>