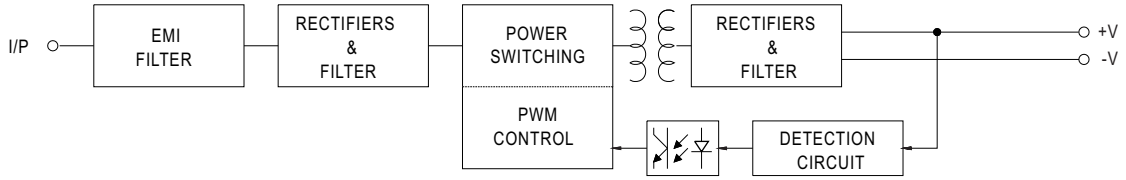


SPECIFICATION

MODEL		IRM-15-3.3	IRM-15-5	IRM-15-12	IRM-15-15	IRM-15-24
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V
	RATED CURRENT	3.5A	3A	1.25A	1A	0.63A
	CURRENT RANGE	0 ~ 3.5A	0 ~ 3A	0 ~ 1.25A	0 ~ 1A	0 ~ 0.63A
	RATED POWER	11.55W	15W	15W	15W	15.12W
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%
	LOAD REGULATION	±1%	±1%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1000ms, 20ms/230VAC 1000ms, 20ms/115VAC at full load				
HOLD UP TIME (Typ.)	40ms/230VAC 10ms/115VAC at full load					
INPUT	VOLTAGE RANGE	85 ~ 305VAC 120 ~ 430VDC				
	FREQUENCY RANGE	47 ~ 440Hz				
	EFFICIENCY (Typ.)	74%	78%	82%	82%	83%
	AC CURRENT (Typ.)	0.35A/115VAC	0.2A/230VAC	0.17A/277VAC		
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC		40A/230VAC		
	LEAKAGE CURRENT	< 0.25mA/277VAC				
PROTECTION	OVERLOAD	115%~190% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	3.8 ~ 4.95V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	LEAD TEMPERATURE	260±5°C, 5s (max.)				
	OPERATING ALTITUDE Note.4	2000 meters				
SAFETY & EMC (Note.5)	SAFETY STANDARDS	IEC62368-1, UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Parameter	Standard		Test Level / Note	
		Conducted	BS EN/EN55032(CISPR32), CNS13438		Class B	
		Radiated	BS EN/EN55032(CISPR32), CNS13438		Class B	
		Harmonic Current (Note 5)	BS EN/EN61000-3-2		Class A	
	EMC IMMUNITY	Parameter	Standard		Test Level /Note	
			BS EN/EN55035, BS EN/EN61000-6-2			
			ESD	BS EN/EN61000-4-2		Level 3, 8KV air; Level 2, 4KV contact, criteria A
Radiated Susceptibility			BS EN/EN61000-4-3		Level 3, criteria A	
EFT/Burest			BS EN/EN61000-4-4		Level 3, criteria A	
Surge			BS EN/EN61000-4-5		Level 4, 2KV/L-N, criteria A	
Conducted			BS EN/EN61000-4-6		Level 3, criteria A	
Magnetic Field			BS EN/EN61000-4-8		Level 4, criteria A	
Voltage Dips and interruptions	BS EN/EN61000-4-11		>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
OTHERS	MTBF	970.3Khrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	52.4*27.2*24mm (L*W*H)				
	PACKING	0.05Kg/240pcs/13Kg/0.94CUFT				
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p> <p>5. The power supply is considered as an independent unit ,but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>					

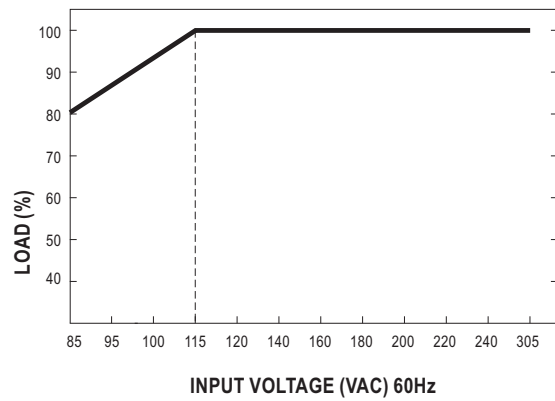
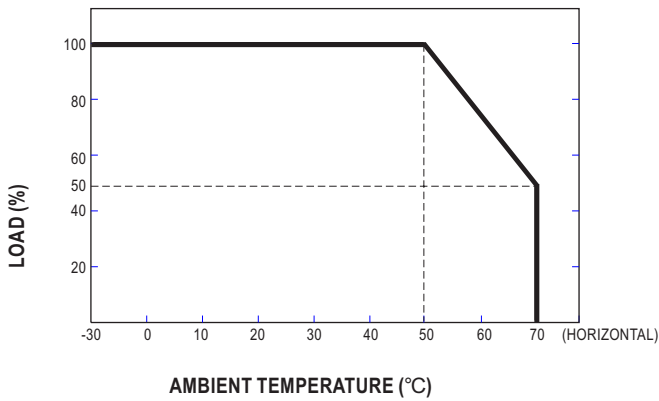
■ Block Diagram

fosc : 65KHz



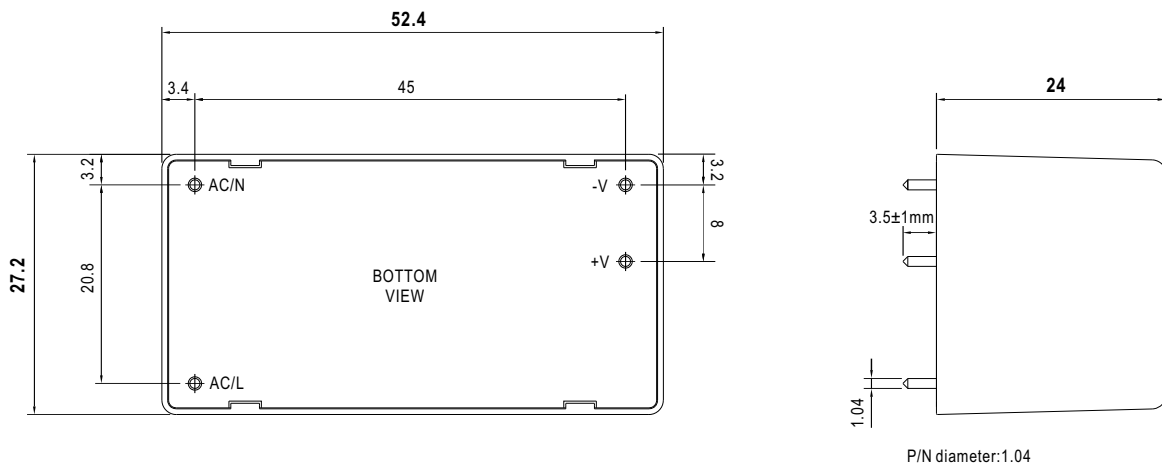
■ Derating Curve

■ Output Derating VS Input Voltage



■ Mechanical Specification

Case No.219A Unit:(mm)



■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>