















- 2.06"x1.07"compact size
- · Universal input 85~305VAC
- No load power consumption<0.1W</li>
- · EMI Class B without additional components
- Wide operating temp. range -30~70°C
- · Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- · Isolation Class II
- · Pass LPS
- 3 years warranty













## Applications

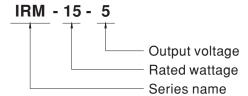
- Industrial electrical equipment
- Mechanical equipment
- Factory automation equipment
- · Hand-held electronic device

## Description

IRM-15 is a 15W miniature (52.4\*27.2\*24mm) AC-DC module-type power supply, ready to be soldered onto the PCB boards of various kinds of electronic instruments or industrial automation equipments. This product allows the universal input voltage range of 85~305VAC. The 94V-0 flame retardant plastic case and the fully-potted silicone enhance the heat dissipation and meet the anti-vibration demand up to 5G; moreover, it provides the fundamental resistance to dust and moisture.

With the high efficiency up to 83% and the extremely low no-load power consumption below 0.1W, IRM-15 series fulfills the worldwide regulation for the low power consumption requirement for electronics. The entire series is a Class II design (no FG pin), incorporating the built-in EMI filtering components, enabling the compliance with EN55032 Class B; the supreme EMC features keep the end electronic units from electromagnetic interference.

## Model Encoding





## SPECIFICATION

OUTPUT  OUTPUT  OUTPUT  OUTPUT  INPUT  INPUT  AC C INRU LEAM OVEF PROTECTION  OVEF PROTECTION  OVEF VIBR LEAM OPEF SAFE WITH ISOL  SAFETY & EMC (Note.5)  EMC	E VOLTAGE  ATED CURRENT  ARRENT RANGE  ATED POWER  ATE	3.5A 3 0 ~ 3.5A 0 11.55W 1 200mVp-p 2 ±2.5% ± 0.5% ± 1% 1 1000ms, 20ms/230VA 40ms/230VAC 10 85 ~ 305VAC 120 47 ~ 440Hz 74% 7 0.35A/115VAC 0 COLD START 20A/118 < 0.25mA/277VAC 115%~190% rated out Protection type : Hicci 3.8 ~ 4.95V 5 Protection type : Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	Oms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power  up mode, recover 5.75 ~ 6.75V  p voltage, clamping by ating Curve")	82% 0.17A/277VAC 30VAC   s automatically after   13.8 ~ 16.2V	82%				
OUTPUT  OUTPUT  OUTPUT  INPUT  INPUT  EFFICA AC C INRU LEAR  OVEF PROTECTION  OVEF WOR WOR WOR STOR TEMF VIBR LEAR OPER SAFE WITH ISOL  SAFETY & EMC	IRRENT RANGE ITED POWER PPLE & NOISE (max.) Note.2 PLE & NOISE (max.) Note.3 IN EREGULATION ITUP, RISE TIME PLD UP TIME (Typ.) PLTAGE RANGE REQUENCY RANGE FICIENCY (Typ.) ITUP, RUSH CURRENT (Typ.) RUSH CURRENT (Typ.) RUSH CURRENT PRELOAD PERLOAD	0 ~ 3.5A	0 ~ 3A  15W  200mVp-p  ±2.5%  ±0.5%  ±1%  C 1000ms, 2  0ms/115VAC at fu 0 ~ 430VDC  78%  1.2A/230VAC  5VAC 40A/2  tput power  up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	0 ~ 1.25A 15W 200mVp-p ±2.5% ±0.3% ±0.5% 20ms/115VAC at further the second of th	0 ~ 1A  15W  200mVp-p  ±2.5%  ±0.3%  ±0.5%  Il load  82%	0 ~ 0.63A 15.12W 200mVp-p ±2.5% ±0.3% ±0.5%			
OUTPUT  RATE RIPPI VOLT LINE LOAD SETU HOLD FREG AC C INRU LEAM OVEF PROTECTION OVEF WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	ATED POWER  PPLE & NOISE (max.) Note.2  PLTAGE TOLERANCE Note.3  NE REGULATION  AD REGULATION  TUP, RISE TIME  PLD UP TIME (Typ.)  PLTAGE RANGE  FICIENCY (Typ.)  CURRENT (Typ.)  RUSH CURRENT (Typ.)  AKAGE CURRENT  PERLOAD  PER VOLTAGE  DRKING TEMP.  DRKING HUMIDITY  ORAGE TEMP., HUMIDITY	11.55W 200mVp-p 22.5% 20.5% 20.5% 21.5% 21.5% 21.5% 21.5% 22.5% 23.5% 24.5% 25.5% 25.5% 26.5% 26.5% 27.5% 28.5% 29.5% 20.20ms/230VA 20.230VAC 20.25mA/27VAC 20.25mA/277VAC 20.25mA/27VAC	15W 200mVp-p ±2.5% ±0.5% ±1% .C 1000ms, 3 0ms/115VAC at fu 0 ~ 430VDC  78% .2A/230VAC 5VAC 40A/2 tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	15W 200mVp-p ±2.5% ±0.3% ±0.5%  20ms/115VAC at full load  82% 0.17A/277VAC 30VAC  s automatically after 13.8 ~ 16.2V	15W 200mVp-p ±2.5% ±0.3% ±0.5%  Il load  82%	15.12W 200mVp-p ±2.5% ±0.3% ±0.5%			
OUTPUT  RIPPI VOLT LINE LOAD SETU HOLD FREG AC C INRU LEAM OVEF PROTECTION  OVEF WOR WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)  EMC	PPLE & NOISE (max.) Note.2 PLTAGE TOLERANCE Note.3 NE REGULATION TUP, RISE TIME DLD UP TIME (Typ.) PLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT PERLOAD PER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	200mVp-p 2 ±2.5% ± 0.5% ± 10.5% ± 11% ± 1000ms, 20ms/230VA 40ms/230VAC 120 47 ~ 440Hz 74% 7 0.35A/115VAC 0 COLD START 20A/115 < 0.25mA/277VAC 115%~190% rated out Protection type : Hicco 3.8 ~ 4.95V 5 Protection type : Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	200mVp-p ±2.5% ±0.5% ±10.5% ±11%C 1000ms, 2 0ms/115VAC at fu 0 ~ 430VDC  78%2A/230VAC 5VAC 40A/2 tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	200mVp-p ±2.5% ±0.3% ±0.5%  20ms/115VAC at fu ill load  82%  0.17A/277VAC  30VAC  s automatically after 13.8 ~ 16.2V	200mVp-p ±2.5% ±0.3% ±0.5%  Il load  82%	200mVp-p ±2.5% ±0.3% ±0.5%			
OVER- PROTECTION OVER- PROTECTION OVER- PROTECTION OVER- WOR STOF TEMF VIBR LEA OPER SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	DITAGE TOLERANCE Note.3 NE REGULATION NAD REGULATION TUP, RISE TIME DID UP TIME (Typ.) DITAGE RANGE EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT VERLOAD VER VOLTAGE DICKING TEMP. DICKING HUMIDITY ORAGE TEMP., HUMIDITY	±2.5% ±0.5% ±1 ±0.5% ±1% ±1%  1000ms, 20ms/230VA 40ms/230VAC 10 85 ~ 305VAC 120 47 ~ 440Hz 74% 7 0.35A/115VAC 0 COLD START 20A/118 < 0.25mA/277VAC 115%~190% rated out Protection type : Hicco 3.8 ~ 4.95V 5 Protection type : Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	±2.5% ±0.5% ±1% .C 1000ms, 3 0ms/115VAC at fu 0 ~ 430VDC  78% .2A/230VAC 5VAC 40A/2  tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	±2.5% ±0.3% ±0.5%  20ms/115VAC at full load  82% 0.17A/277VAC 30VAC  s automatically after 13.8 ~ 16.2V	±2.5% ±0.3% ±0.5%  II load  82%	±2.5% ±0.3% ±0.5%			
NPUT  INPUT  AC C INRU LEAR  PROTECTION  OVEF WOR WOR WOR STOR VIBR LEA OPER SAFE WITH ISOL  SAFETY & EMC (Note.5)  EMC	NE REGULATION NAD REGULATION TUP, RISE TIME DLD UP TIME (Typ.) DLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	±0.5% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1	±0.5% ±1%  .C 1000ms, 2 0ms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	±0.3% ±0.5%  20ms/115VAC at further street to the street t	±0.3% ±0.5%  Il load  82%	±0.3% ±0.5%			
INPUT  AC C INRU LEAM  PROTECTION  OVEF  WOR WOR STOR VIBR LEA OPER SAFE WITH ISOL  SAFETY & EMC (Note.5)	AD REGULATION TUP, RISE TIME DLD UP TIME (Typ.) DLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) C CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT ZERLOAD ZER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	±1%  1000ms, 20ms/230VA  40ms/230VAC  10  85 ~ 305VAC  12  47 ~ 440Hz  74%  70.35A/115VAC  COLD START 20A/11!  < 0.25mA/277VAC  115%~190% rated out  Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	±1%  .C 1000ms, 2 0ms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	±0.5% 20ms/115VAC at full load  82% 0.17A/277VAC 30VAC  s automatically after 13.8 ~ 16.2V	±0.5% Il load  82% er fault condition is rer	±0.5%			
INPUT  AC C INRU LEAR  PROTECTION  OVEF  WOR STOF TEMF VIBR LEA  OPEF SAFE WITH ISOL  SAFETY & EMC (Note.5)  EMC	TUP, RISE TIME DLD UP TIME (Typ.) DLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT VERLOAD VER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	±1%  1000ms, 20ms/230VA  40ms/230VAC  10  85 ~ 305VAC  12  47 ~ 440Hz  74%  70.35A/115VAC  COLD START 20A/11!  < 0.25mA/277VAC  115%~190% rated out  Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	1000ms, 2 0ms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	±0.5% 20ms/115VAC at full load  82% 0.17A/277VAC 30VAC  s automatically after 13.8 ~ 16.2V	±0.5% Il load  82% er fault condition is rer	±0.5%			
INPUT  AC C INRU LEAR  PROTECTION  OVEF  WOR STOF TEMF VIBR LEA  OPEF SAFE WITH ISOL  SAFETY & EMC (Note.5)  EMC	TUP, RISE TIME DLD UP TIME (Typ.) DLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT VERLOAD VER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	1000ms, 20ms/230VA 40ms/230VAC 10 85 ~ 305VAC 120 47 ~ 440Hz 74% 70.35A/115VAC 0 COLD START 20A/118 < 0.25mA/277VAC 115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V Protection type: Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	1000ms, 2 0ms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	20ms/115VAC at fu ill load 82% 0.17A/277VAC 30VAC s automatically after 13.8 ~ 16.2V	82%	83%			
INPUT  INPUT  EFFICA  AC C  INRU  LEAM  OVEF  WOR  WOR  WOR  STOF  TEMF  VIBR  LEA  OPEF  SAFE  WITH  ISOL  SAFETY &  EMC  (Note.5)  EMC	DLD UP TIME (Typ.)  DLTAGE RANGE  EQUENCY RANGE  FICIENCY (Typ.)  CURRENT (Typ.)  RUSH CURRENT (Typ.)  AKAGE CURRENT  VERLOAD  VER VOLTAGE  DRKING TEMP.  DRKING HUMIDITY  ORAGE TEMP., HUMIDITY	40ms/230VAC 19 85 ~ 305VAC 120 47 ~ 440Hz 74% 7 0.35A/115VAC 0 COLD START 20A/119 < 0.25mA/277VAC 115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V 5 Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	Oms/115VAC at fu 0 ~ 430VDC  78%  .2A/230VAC  5VAC 40A/2  tput power  up mode, recover 5.75 ~ 6.75V  p voltage, clamping by ating Curve")	82% 0.17A/277VAC 30VAC s automatically after	82% er fault condition is rer	moved			
NPUT  AC C INRU LEAM  PROTECTION  OVEF WOR WOR WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)  EMC	DLTAGE RANGE EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	85 ~ 305VAC 120 47 ~ 440Hz 74% 7 0.35A/115VAC 0 COLD START 20A/118 < 0.25mA/277VAC 115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V 5 Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condension-40 ~ +85°C, 10 ~ 95% RH	78% .2A/230VAC 5VAC 40A/2 tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	82% 0.17A/277VAC 30VAC   s automatically after   13.8 ~ 16.2V	er fault condition is rer	moved			
INPUT  FRECE EFFICE AC C INRU  LEAF  OVEF  WOR WOR STOF  TEMF  VIBR  LEA  OPEF  SAFE  WITH  ISOL  SAFETY & EMC (Note.5)  EMC	EQUENCY RANGE FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	47 ~ 440Hz  74%  74%  0.35A/115VAC  0 COLD START 20A/118 <0.25mA/277VAC  115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	78%  2.2A/230VAC  5VAC 40A/2  tput power  up mode, recover 5.75 ~ 6.75V  p voltage, clamping by ating Curve")	0.17A/277VAC 30VAC s automatically afte	er fault condition is rer	moved			
PROTECTION OVER WOR WOR STOR VIBR LEAA OPER SAFE WITH ISOL SAFETY & EMC	FICIENCY (Typ.) CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	74% 7 0.35A/115VAC 0 COLD START 20A/115 <0.25mA/277VAC 115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V 5 Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	0.17A/277VAC 30VAC s automatically afte	er fault condition is rer	moved			
PROTECTION OVEF PROTECTION OVEF WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	CURRENT (Typ.) RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	0.35A/115VAC 0 COLD START 20A/11! < 0.25mA/277VAC 115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V 5 Protection type: Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	0.17A/277VAC 30VAC s automatically afte	er fault condition is rer	moved			
PROTECTION OVEF WOR WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	RUSH CURRENT (Typ.) AKAGE CURRENT FERLOAD FER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	COLD START 20A/11! < 0.25mA/277VAC  115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by sting Curve")	s automatically after 13.8 ~ 16.2V					
PROTECTION OVER WOR WOR STOR TEMF VIBR LEA OPER SAFE WITH ISOL SAFETY & EMC	AKAGE CURRENT  VERLOAD  VER VOLTAGE  DRKING TEMP.  DRKING HUMIDITY  ORAGE TEMP., HUMIDITY	< 0.25mA/277VAC  115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	tput power up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	s automatically afte					
PROTECTION  OVER  WOR  WOR  STOF  TEMF  VIBR.  LEA  OPEF  SAFE  WITH  ISOL  SAFETY & EMC  (Note.5)	YERLOAD YER VOLTAGE DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	115%~190% rated out Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	13.8 ~ 16.2V					
PROTECTION OVEF WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	VER VOLTAGE  DRKING TEMP.  DRKING HUMIDITY  ORAGE TEMP., HUMIDITY	Protection type: Hicco 3.8 ~ 4.95V  Protection type: Shut off o// -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	up mode, recover 5.75 ~ 6.75V p voltage, clamping by ating Curve")	13.8 ~ 16.2V					
PROTECTION OVEF WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	VER VOLTAGE  DRKING TEMP.  DRKING HUMIDITY  ORAGE TEMP., HUMIDITY	3.8 ~ 4.95V 5  Protection type: Shut off o/ -30 ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	5.75 ~ 6.75V p voltage, clamping by ating Curve")	13.8 ~ 16.2V					
ENVIRONMENT ENVIRONMENT ENVIRONMENT  ENVIRONMENT  VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)  EMC	DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	Protection type: Shut off o/ $^{-30}$ ~ +70°C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	p voltage, clamping by ating Curve")		17.25 ~ 20.25V	27.6 ~ 32.4V			
WOR WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)	DRKING TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY	-30 ~ +70 °C (Refer to "Dera 20 ~ 90% RH non-condensi -40 ~ +85 °C, 10 ~ 95% RH	ating Curve")	y zener diode					
WOR STOF TEMF VIBR LEA OPEF SAFE WITH ISOLI SAFETY & EMC (Note.5)	ORKING HUMIDITY ORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensi -40 ~ +85°C, 10 ~ 95% RH	,						
ENVIRONMENT  TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)  EMC	ORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	ing		-30 ~ +70°C (Refer to "Derating Curve")				
TEMF VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC				20 ~ 90% RH non-condensing					
VIBR LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	MP. COEFFICIENT	+0.03%/°C (0 ~ 50°C)	-40 ~ +85°C, 10 ~ 95% RH						
LEA OPEF SAFE WITH ISOL SAFETY & EMC (Note.5)		±0.03%/°C (0~50°C)							
OPEF SAFE WITH ISOL SAFETY & EMC (Note.5) EMC	BRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFE WITH ISOL SAFETY & EMC (Note.5)	AD TEMPERATURE	260±5°C,5s (max.)							
WITH ISOL SAFETY & EMC (Note.5) EMC	PERATING ALTITUDE Note.4	2000 meters							
SAFETY & EMC (Note.5)	FETY STANDARDS	IEC62368-1, UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1 approved							
SAFETY & EMC (Note.5) EMC	THSTAND VOLTAGE	I/P-O/P:3KVAC							
EMC (Note.5) EMC	DLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
(Note.5) EMC	EMC EMISSION	Parameter	Standard		Test Level / Note				
EMC		Conducted	EN55032(CIS	SPR32), CNS13438	Class B				
		Radiated	EN55032(CIS	SPR32), CNS13438	Class B				
		Harmonic Current (Note 5)	EN61000-3-2	2	Class A				
		Voltage Flicker	EN61000-3-3	}					
	EMC IMMUNITY	EN55035, EN61000-6-2							
5440		Parameter	Standard		Test Level /Note	0.4107			
F.4.0		ESD Particular Communication	EN61000-4-2		-	2, 4KV contact, criteria A			
E110		Radiated Susceptibility  EFT/Burest	EN61000-4-3 EN61000-4-4		Level 3, criteria A				
EMC		Surge	EN61000-4-4		Level 4,2KV/L-N, criter	 ia Δ			
		Conducted	EN61000-4-6		Level 3, criteria A	iu/t			
		Magnetic Field	EN61000-4-8		Level 4, criteria A				
		Voltage Dips and interruption	ns EN61000-4-1	  1	>95% dip 0. 5 periods	s, 30% dip 25 periods,			
MTBF	'RF				>95% interruptions 25	50 periods			
		970.3Khrs min. MIL-HDBK-217F (25°C) 52.4*27.2*24mm (L*W*H)							
	MENSION	,							
	CIVINIC	0.05Kg/240pcs/13Kg/0.97CUFT							
2. Ri 3. To 4. Ti 5. Ti di	CKING All parameters NOT specia	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  to tolerance, line regulation and load regulation.  derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500f dered as an independent unit ,but the final equipment still need to re-confirm that the whole system complies with the EMC in how to perform these EMC tests, please refer to "EMI testing of component power supplies."  A.meanwell.com)							



