















Features

- · 5"×3" compact size
- Medical safety approved (2 x MOPP) accroding to ANSI/AAMI ES60601-1 and IEC/EN60601-1
- · Suitable for BF application with appropriate system consideration
- · 72W convection, 100W force air
- · EMI class B for class I configuration
- · Extremely low leakage current
- · Protections: Short circuit / Overload / Over voltage
- · Lifetime > 140K hours
- · 3 years warranty

Applications

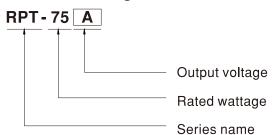
- · Oral irrigator
- Hemodialysis machine
- · Medical computer monitors
- · Sleep apnea devices

Description

RPT-75 is a 72W highly reliable PCB type medical power supply with a high power density on the 5" by 3" footprint. It accepts $90\sim264$ VAC input and offers triple output voltages .

RPT-75 is able to be used for Class $\, {
m I} \,$ system design. The extremely low leakage current is less than 150 μ A. In addition, it conforms to international medical regulations (2*MOPP) and EMC EN55011.

■ Model Encoding



72W Reliable Triple Output Medical Grade

SPECIFICATION

MODEL		RPT-75A			RPT-75B			RPT-75C			
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
ОИТРИТ	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	
	RATED CURRENT	6A	3A	0.5A	6A	3A	0.5A	6A	2,3A	0.5A	
	CURRENT RANGE	0.6 ~ 8A	0.2 ~ 4A	0.1 ~ 1A	0.6 ~ 8A	0.2 ~ 4A	0.1 ~ 1A	0.6 ~ 8A	0.1 ~ 3A	0.1 ~ 1A	
	RATED POWER	68.5W			72W			72W			
	PEAK LOAD (23.5CFM)	93W		100W			100W				
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	80mVp-p	120mVp-p	80mVp-p	80mVp-p	120mVp-p	80mVp-p	
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5	.5V								
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±5.0%	±2.0%	±6.0%	±5.0%	±2.0%	±8.0%	±5.0%	
	LINE REGULATION	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	
	LOAD REGULATION	±1,5%	±3,0%	±1,0%	±1,5%	±3,0%	±1,0%	±1,5%	±3,0%	±1,0%	
	SETUP, RISE TIME	500ms, 30ms				l load					
	HOLD UP TIME (Typ.)		500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load 90ms/230VAC 20ms/115VAC at full load								
	VOLTAGE RANGE	90 ~ 264VAC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY(Typ.)	76%			77%			77%			
IPUT	AC CURRENT (Typ.)	1111									
	INRUSH CURRENT (Typ.)		1.5A/115VAC 1A/230VAC COLD START 25A/115VAC 50A/230VAC								
	LEAKAGE CURRENT Note,4					< 100 ** A /06 4	\/A.C				
	LEARAGE CURRENT Note,4			-	, Touch current	. < 100 μ Α/204	VAC				
PROTECTION	OVERLOAD		rated output p			6		1			
		Protection type: Hiccup mode, recovers automatically after fault condition is removed									
	OVER VOLTAGE	Ch1: 5.7 ~ 6.									
		,	•	, ,	re-power on to	recover					
	WORKING TEMP.	-20 ~ +70°C	(Refer to "De	rating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 \sim +85 $^{\circ}$ C, 10 \sim 95% RH non-condensing									
	TEMP. COEFFICIENT	±0.03%/°C	±0.03%/°C (0~45°C)								
	VIBRATION	10 ~ 500Hz,	2G 10min./1c	ycle, period for	60min, each a	along X, Y, Z ax	es				
	OPERATING ALTITUDE Note.5	3000 meters									
	CAFETY OTANIDADDO	IEC60601-1, UL ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1:14 - Edition 3 approved, EAC TP TC 004,TUV EN60601-1 approved									
	SAFETY STANDARDS	Primary-Secondary:2xMOPP, Primary-Earth:1xMOPP									
	ISOLATION LEVEL	Primary-Sec	ondary:2xMO	PP, Primary-Ea	arth:1xMOPP						
		<u> </u>		PP, Primary-Ea 2KVAC O/P-							
	ISOLATION LEVEL	I/P-O/P:4KV	AC I/P-FG:	2KVAC O/P-		70% RH					
	ISOLATION LEVEL WITHSTAND VOLTAGE	I/P-O/P:4KV	AC I/P-FG:	2KVAC O/P-	FG:1.5KVAC	70% RH		Test Level	/ Note		
	ISOLATION LEVEL WITHSTAND VOLTAGE	I/P-O/P:4KV/	AC I/P-FG: FG, O/P-FG:1	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C /			Test Level Class B	/ Note		
	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV/ I/P-O/P, I/P-I Parameter	AC I/P-FG: FG, O/P-FG:1	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard	SISPR11)			/ Note		
	ISOLATION LEVEL WITHSTAND VOLTAGE	I/P-O/P:4KV/ I/P-O/P, I/P-I Parameter Conducted e Radiated em	AC I/P-FG: FG, O/P-FG:1 emission	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard EN55011 (C EN55011 (C	CISPR11) CISPR11)		Class B Class B	/ Note		
OAFFTV 9	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV/ I/P-O/P, I/P-I Parameter Conducted e Radiated em Harmonic cu	AC I/P-FG: FG, O/P-FG:1 emission dission	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard EN55011 (C EN61000-3	CISPR11) CISPR11) -2		Class B	/ Note		
SAFETY &	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV, I/P-O/P, I/P-I Parameter Conducted e Radiated em Harmonic cu Voltage flick	AC I/P-FG: FG, O/P-FG:1 emission dission durrent	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard EN55011 (C EN55011 (C	CISPR11) CISPR11) -2		Class B Class B Class A	/ Note		
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV, I/P-O/P, I/P-F Parameter Conducted e Radiated em Harmonic cu Voltage flicke	AC I/P-FG: FG, O/P-FG:1 emission dission durrent	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3	CISPR11) CISPR11) -2		Class B Class B Class A			
MC	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV, I/P-O/P, I/P-F Parameter Conducted e Radiated em Harmonic cu Voltage flicke EN60601-1- Parameter	AC I/P-FG: FG, O/P-FG:1 emission dission durrent	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3	CISPR11) CISPR11) -2 -3		Class B Class B Class A Test Level	/ Note	8KV conta	
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV, I/P-O/P, I/P-F Parameter Conducted e Radiated em Harmonic cu Voltage flicke	AC I/P-FG: FG, O/P-FG:1 emission ission urrent er 2	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3	CISPR11) CISPR11) -2 -3		Class B Class B Class A Test Level Level 4, 15 Level 3, 10'	/ Note KV air ; Level 4, V/m(80MHz~2.	7GHz)	
MC	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV/ I/P-O/P, I/P-F Parameter Conducted e Radiated em Harmonic ct Voltage flick EN60601-1- Parameter ESD RF field sus	AC I/P-FG: FG, O/P-FG:1 emission ission urrent er 2	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4	EISPR11) EISPR11) -2 -3 -2 -3		Class B Class A Test Level Level 4, 15i Level 3, 10' Table 9, 9~2	/ Note KV air ; Level 4. V/m(80MHz~2. 28V/m(385MHz	7GHz)	
MC	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:4KV, I/P-O/P, I/P-I/P-O/P, I/P-I/P-I/P-I/P-I/P-I/P-I/P-I/P-I/P-I/P-	AC I/P-FG: FG, O/P-FG:1 emission dission direct derived by the control of the con	2KVAC O/P-	FG:1.5KVAC 00VDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4	EISPR11) EISPR11) -2 -3 -2 -3 -4		Class B Class B Class A Test Level Level 4, 15i Level 3, 10i Table 9, 9-2 Level 3, 2K	/ Note KV air ; Level 4. V/m(80MHz~2. 28V/m(385MHz V	7GHz) z~5.78GHz	
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:4KV, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O	AC I/P-FG: FG, O/P-FG:1 emission dission direct er 2 ceptibility	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC 00VDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4	CISPR11) CISPR11) -2 -3 -2 -3 -4 -5		Class B Class B Class A Test Level Level 4, 15 Level 3, 10' Table 9, 9-2 Level 3, 2K Level 4, 44	/ Note KV air ; Level 4, V/m(80MHz~2. 28V/m(385MHz V KV/Line-FG ; 2k	7GHz) z~5.78GHz	
SAFETY & EMC Note 8)	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:4KV, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O	AC I/P-FG: FG, O/P-FG:1 mission ission urrent er 2 ceptibility susceptibility	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC DOVDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4	CISPR11) CISPR11) -2 -3 -2 -3 -4 -5 -6		Class B Class A Class B Class	/ Note KV air ; Level 4, V/m(80MHz~2, 28V/m(385MHz V KV/Line-FG ; 2K	7GHz) z~5.78GHz	
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:4KV, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O	AC I/P-FG: FG, O/P-FG:1 mission ission urrent er 2 ceptibility susceptibility	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC 00VDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4	CISPR11) CISPR11) -2 -3 -2 -3 -4 -5 -6		Class B Class A Class B Class	/ Note KV air ; Level 4, V/m(80MHz~2, 28V/m(385MHz V KV/Line-FG ; 2k V A/m	.7GHz) z~5.78GHz 	
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:4KV, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O/P-O	AC I/P-FG: FG, O/P-FG:1 mission ission urrent er 2 ceptibility eptibility susceptibility	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC DOVDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4	SISPR11) -2-3 -3 -4 -5 -6 -8		Class B Class A Class B Class	/ Note KV air ; Level 4, V/m(80MHz~2, 28V/m(385MHz V KV/Line-FG ; 2K	7GHz) z~5,78GHz V/Line-Line periods,	
MC	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:4KV, I/P-O/P, I/P-O/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-O/P, I/P-	AC I/P-FG: FG, O/P-FG:1 mission ission urrent er 2 ceptibility estibility susceptibility interruption	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC DOVDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4	SISPR11) -2-3 -3 -4 -5 -6 -8		Class B Class A Class B Class	/ Note KV air; Level 4, V/m(80MHz~2, 28V/m(385MHz V KV/Line-FG; 2k V A/m eriods, 30% dip 25	7GHz) z~5,78GHz V/Line-Line periods,	
МС	ISOLATION LEVEL WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	I/P-O/P:4KV, I/P-O/P, I/P-I Parameter Conducted e Radiated em Harmonic cu Voltage flicke EN60601-1- Parameter ESD RF field sus EFT bursts Surge susce Conducted s Magnetic flee Voltage dip, 521,2K hrs n	AC I/P-FG: FG, O/P-FG:1 mission ission urrent er 2 ceptibility estibility susceptibility interruption	2KVAC O/P- 00M Ohms / 50	FG:1.5KVAC DOVDC / 25°C / ' Standard EN55011 (C EN55011 (C EN61000-3 EN61000-3 Standard EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4 EN61000-4	SISPR11) -2-3 -3 -4 -5 -6 -8		Class B Class A Class B Class	/ Note KV air; Level 4, V/m(80MHz~2, 28V/m(385MHz V KV/Line-FG; 2k V A/m eriods, 30% dip 25	.7GHz) z~5,78GHz V/Line-Line periods,	

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µf & 47 µf parallel capacitor.

 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- NOTE
- 4. Touch current was measured from primary input to DC output.

 5. 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).

 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.

 7. Heat Sink HS1,HS2,HS3 can not be shorted.

 - 8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets 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)



SDECIEIC ATION

	RPT-75D			RPT-7503	RPT-7503				
OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3			
DC VOLTAGE	5V	24V	12V		5V	12V			
RATED CURRENT	5A	1,5A	1A	6A	6A	1A			
CURRENT RANGE	0.6 ~ 7A	0.1 ~ 2A		0.7 ~ 7A	0 ~ 8A	0 ~ 1,5A			
RATED POWER				61.8W					
	95W								
, ,	2 80mVp-p	200mVp-p	120mVp-p		120mVp-p	120mVp-p			
VOLTAGE ADJ. RANGE			,		,	,			
		±8.0%	±8.0%	±4.0%	±6.0%	+10,-6%			
LINE REGULATION	±0,5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.5%			
		±3.0%				±6,0%			
,									
				7/10/2					
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		14/230\/AC		1470					
, , , ,				10 44A /2C 4\ /A C					
LEAKAGE CURRENT Note,4			ر , Touch current < ۱۷	10 <i>μ</i> Α/264VAC					
OVERLOAD									
		ccup mode, recover	s automatically after t						
OVER VOLTAGE									
				ver					
WORKING TEMP.	· ')						
WORKING HUMIDITY	20 ~ 90% RH non-condensing								
STORAGE TEMP., HUMIDITY	$-40 \sim +85^{\circ}$ C, $10 \sim 95\%$ RH non-condensing								
TEMP. COEFFICIENT	±0.03%/°C (0~45°C)								
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
OPERATING ALTITUDE Note.5	3000 meters								
SAFETY STANDARDS	IEC60601-1, UL ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1:14 - Edition 3 approved, EAC TP TC 004,TUV EN60601-1 approved								
ISOLATION LEVEL	Primary-Secondary	/:2xMOPP, Primary-	Earth:1xMOPP						
WITHSTAND VOLTAGE	I/P-O/P:4KVAC	/P-FG:2KVAC O/F							
	I/P-O/P, I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
ISOLATION RESISTANCE	1 I/P-O/P. I/P-FG. O/	P-FG:100M Ohms /		RH					
ISOLATION RESISTANCE	ļ	P-FG:100M Ohms /	500VDC / 25°C / 70%	RH	Test Level / No	te			
ISOLATION RESISTANCE	Parameter		500VDC / 25°C / 70% Standard		Test Level / No	te			
	Parameter Conducted emission	on	500VDC / 25°C / 70% Standard EN55011 (CISP	R11)	Class B	te			
EMC EMISSION	Parameter Conducted emission Radiated emission	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP	R11)	Class B Class B	te			
	Parameter Conducted emission Radiated emission Harmonic current	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN61000-3-2	R11)	Class B	te			
	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP	R11)	Class B Class B	te			
	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3	R11)	Class B Class A				
	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard	R11)	Class B Class B Class A Test Level / No	te			
	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3	R11)	Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(te ir; Level 4, 8KV contac 80MHz~2.7GHz)			
	Parameter Conducted emissic Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib	on	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3	R11)	Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/	te ir; Level 4, 8KV contac 80MHz~2.7GHz)			
	Parameter Conducted emissic Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib EFT bursts	ility	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-4	R11)	Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV	te ir ; Level 4, 8KV contac 80MHz~2.7GHz) m(385MHz~5.78GHz)			
EMC EMISSION	Parameter Conducted emissic Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib EFT bursts Surge susceptibili	ility	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li	te ir ; Level 4, 8KV contac 80MHz~2.7GHz) m(385MHz~5.78GHz)			
EMC EMISSION	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib EFT bursts Surge susceptibili Conducted suscep	ility ty otibility	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li Level 3, 10V	te ir ; Level 4, 8KV contac 80MHz~2.7GHz) m(385MHz~5.78GHz			
EMC EMISSION	Parameter Conducted emissic Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib EFT bursts Surge susceptibili	ility ty otibility	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li Level 3, 10V Level 4, 30A/m	te ir ; Level 4, 8KV contac 80MHz~2.7GHz) m(385MHz~5.78GHz ine-FG ; 2KV/Line-Line			
EMC EMISSION	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptib EFT bursts Surge susceptibili Conducted suscep	ility ty otibility nunity	500VDC / 25°C / 70% Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li Level 3, 10V Level 4, 30A/m	te ir; Level 4, 8KV contact 80MHz~2.7GHz) m(385MHz~5.78GHz ine-FG; 2KV/Line-Line			
EMC EMISSION	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptible EFT bursts Surge susceptibili Conducted suscep Magnetic field imm Voltage dip, interr	ility ty otibility nunity	Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li Level 3, 10V Level 4, 30A/m 100% dip 1 periods	te ir; Level 4, 8KV contact 80MHz~2.7GHz) m(385MHz~5.78GHz ine-FG; 2KV/Line-Line			
EMC EMISSION EMC IMMUNITY	Parameter Conducted emission Radiated emission Harmonic current Voltage flicker EN60601-1-2 Parameter ESD RF field susceptible EFT bursts Surge susceptibili Conducted suscep Magnetic field imm Voltage dip, interr	on ility ty otibility nunity uption MIL-HDBK-217F (2:	Standard EN55011 (CISP EN55011 (CISP EN61000-3-2 EN61000-3-3 Standard EN61000-4-2 EN61000-4-3 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11	R11)	Class B Class B Class A Test Level / No Level 4, 15KV a Level 3, 10V/m(Table 9, 9~28V/ Level 3, 2KV Level 4, 4KV/Li Level 3, 10V Level 4, 30A/m 100% dip 1 periods	te ir; Level 4, 8KV contact 80MHz~2.7GHz) m(385MHz~5.78GHz) ine-FG; 2KV/Line-Line s, 30% dip 25 periods,			
	DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER PEAK LOAD (23.5CFM) RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY(Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.4 OVERLOAD OVER VOLTAGE WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION OPERATING ALTITUDE NOTE.5 SAFETY STANDARDS ISOLATION LEVEL	DC VOLTAGE	DC VOLTAGE	DC VOLTAGE 5V 24V 12V RATED CURRENT 5A 1.5A 1A CURRENT RANGE 0.6 ~ 7A 0.1 ~ 2A 0.1 ~ 1A RATED POWER 73W 95W PEAK LOAD (23.5CFM) 95W 200mVp-p 120mVp-p VOLTAGE ADJ. RANGE CH1:4.75 ~ 5.5V 200mVp-p 120mVp-p VOLTAGE TOLERANCE Note.3 ±2.0% ±8.0% ±8.0% LINE REGULATION ±0.5% ±1.0% ±1.0% LOAD REGULATION ±1.5% ±3.0% ±3.0% SETUP, RISE TIME 500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load VOLTAGE RANGE 90 ~ 264VAC 127 ~ 370VDC FREQUENCY RANGE 47 ~ 63Hz EFFICIENCY(Typ.) 79% AC CURRENT (Typ.) 1.5A/115VAC 1A/230VAC INRUSH CURRENT (Typ.) 1.5A/115VAC 150µA/264VAC , Touch current < 10	DC VOLTAGE 5V 24V 12V 3.3V RATED CURRENT 5A 1.5A 1A 6A CURRENT RANGE 0.6 ~ 7A 0.1 ~ 2A 0.1 ~ 1A 0.7 ~ 7A RATED POWER 73W 61.8W PEAK LOAD (23.5CFM) 80mVp-p 200mVp-p 120mVp-p 80mVp-p VOLTAGE MAISE (max.) Note.2 80mVp-p 200mVp-p 120mVp-p 80mVp-p VOLTAGE TOLERANCE Note.3 ±2.0% ±8.0% ±8.0% ±4.0% LINE REGULATION ±0.5% ±1.0% ±1.0% ±1.0% LOAD REGULATION ±1.5% ±3.0% ±3.0% ±3.0% ±3.0% SETUP, RISE TIME 500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load 900ms/230VAC 20ms/115VAC at full load VOLTAGE RANGE 90 ~ 264VAC 127 ~ 370VDC 74% 24 FREQUENCY RANGE 47 ~ 63Hz 25ms/115VAC 50A/230VAC 15ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC 14ms/215VAC <td>DC VOLTAGE 5V 24V 12V 3.3V 5V RATED CURRENT 5A 1.5A 1A 6A 6A CURRENT RANGE 0.6 ~ 7A 0.1 ~ 2A 0.1 ~ 1A 0.7 ~ 7A 0 ~ 8A RATED POWER 73W 61.8W PEAK LOAD (23.5CFM) 95W 81.1W RIPPLE & NOISE (max.) Note.2 80mVp-p 200mVp-p 120mVp-p 80mVp-p 120mVp-p VOLTAGE ADJ, RANGE CH14.75 ~ 5.5V </td>	DC VOLTAGE 5V 24V 12V 3.3V 5V RATED CURRENT 5A 1.5A 1A 6A 6A CURRENT RANGE 0.6 ~ 7A 0.1 ~ 2A 0.1 ~ 1A 0.7 ~ 7A 0 ~ 8A RATED POWER 73W 61.8W PEAK LOAD (23.5CFM) 95W 81.1W RIPPLE & NOISE (max.) Note.2 80mVp-p 200mVp-p 120mVp-p 80mVp-p 120mVp-p VOLTAGE ADJ, RANGE CH14.75 ~ 5.5V			

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 # 1 & 47 # f parallel capacitor.
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. Touch current was measured from primary input to DC output.

 5. 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).

 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.

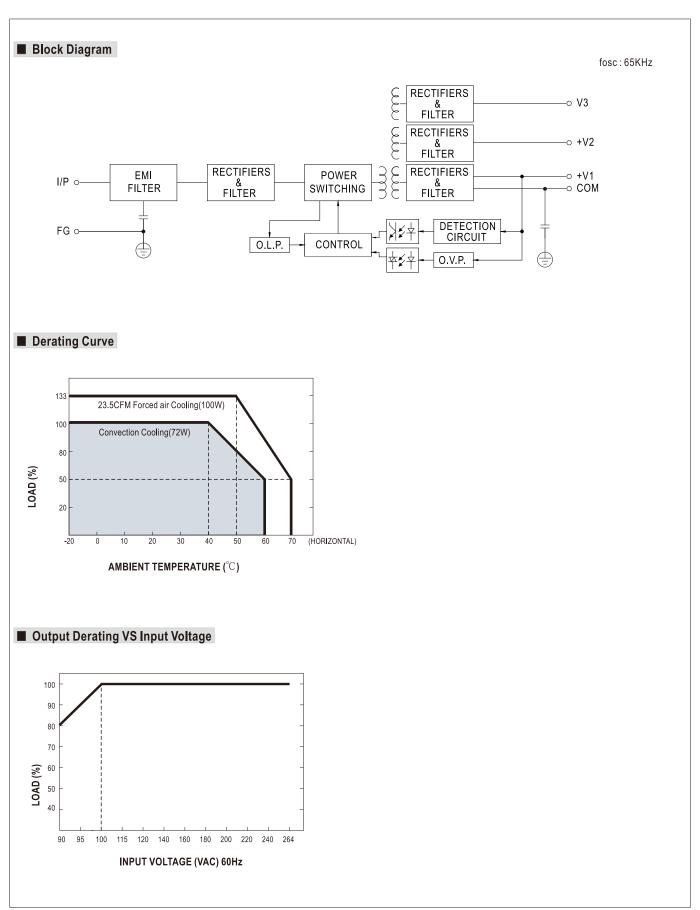
 7. Heat Sink HS1,HS2,HS3 can not be shorted.

NOTE

8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets 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)

MeanWell Direct, Orion House, Calleva Park, Aldermaston, Berkshire, RG7 8SN

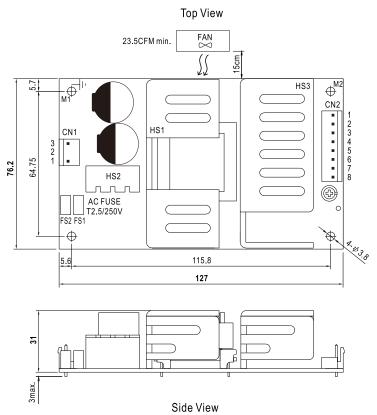




Unit:mm



■ Mechanical Specification



AC Input Connector (CN1): JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	JST VHR or equivalent	ICT CV/LL OAT DA A
2	No Pin		JST SVH-21T-P1.1 or equivalent
3	AC/L		or oquivalone

DC Output Connector (CN2): JST B8P-VH or equivalent

		` '	
Pin No.	Assignment	Mating Housing	Terminal
1,2	V1		
3,4,5	COM	JST VHR or equivalent	JST SVH-21T-P1.1
6,7	V2		or equivalent
8	V3		

 $\stackrel{\perp}{=}$: Grounding Required



\ 1.HS1,HS2,HS3 cannot be shorted.

2.M1 is safety ground. For better EMC performance, Please secure an electrical connection between M1,M2 and chassis grounding.

■ Installation Manual

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