

GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 12 watts switching type power adapter. The adapter input/output are single range AC input and +12V DC with 12 watts maximum output.



INPUT REQUIREMENT			
	MINIMUM	NOMINAL	MAXIMUM
AC INPUT VOLTAGE	90VAC	100-240VAC	264 VAC
FREQUENCY	47 Hz	50/60 Hz	63 Hz
INPUT CURRENT	AT FULL LOAD, 25 DEGREE C, COLD START NOMINAL AC INPUT 0.3 A maximum		
AC INRUSH CURRENT	NOMINAL AC INPUT VOLTAGE, No damage shall be occurred and the input fuse shall not be blown up.		
CONFIGURATION	Wall-mount type, US-pin, 2 Conductors, < Live, Neutral >		
POWER CONSUMPTION ON POWER SAVING MODE	LOAD	INPUT CONDITION	INPUT POWER REQUIREMENT
	0 A	115 VAC 60 Hz	0.3W maximum
	0 A	230 VAC 50 Hz	0.3W maximum
OUTPUT REQUIREMENT			
DC OUTPUT VOLTAGE	+12V	DIMENSION	70 (L) * 29.8 (W) * 58.3 (H) mm maximum
MINIMUM LOAD CURRENT	0A	WEIGHT	130 g maximum
NOMINAL LOAD CURRENT	1A	INPUT PLUG TYPE	Wall-mount type, US-pin, 2 Conductors, < Live, Neutral >
NOMINAL OUTPUT POWER	12W	OUTPUT CORD	WIRE: 22AWG/2C 2468,1500mm PLUG: JACK PLUG 5.5*2.1*9mm
OUTPUT REGULATION	11V-14.5V	SAFETY REQUIREMENT	
RIPPLE AND NOISE	400mVp-p maximum, At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground temperature at 25 \pm 5, and nominal input voltage		
AVERAGE EFFICIENCY	77.8% minimum, At 115/230VAC input voltage and meet efficiency levelV, ERP: 2009/125/EC	DIELECTRIC WITHSTANDING-VOLTAGE TEST (HI-POT TEST)	Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
RISE TIME	100mS maximum at nominal input voltage	LEAKAGE CURRENT	0.25mA maximum, at nominal AC input voltage and frequency
TURN-ON DELAY	3 Seconds maximum at nominal input voltage	SAFETY STANDARD	Designed to meet UL/CUL(UL60950-1), BSMI(CNS14336)
PROTECTION	-	EMI STANDARD	Designed to meet FCC(PART 15 CLASS B), BSMI(CNS13438)
SHORT-CIRCUIT PROTECTION	The adapter shall not be damaged by short the DC output to Ground.	RELIABILITY	
REMARK	Unless otherwise specification output load Must set at CC mode.		
MECHANICAL REQUIREMENT			
DIMENSION	70 (L) * 29.8 (W) * 58.3 (H) mm maximum		
WEIGHT	130 g maximum		
INPUT PLUG TYPE	Wall-mount type, US-pin, 2 Conductors, < Live, Neutral >		
OUTPUT CORD	WIRE: 22AWG/2C 2468,1500mm PLUG: JACK PLUG 5.5*2.1*9mm		
ENVIRONMENTAL REQUIREMENT			
COOLING	Cooling shall be with natural convection cooling		
OPERATING TEMPERATURE	0 °C TO 40°C		
STORAGE TEMPERATURE	-20 °C TO +60 °C		
OPERATING HUMIDITY	20 ~ 85 % RH. NON-CONDENSING		
STORAGE HUMIDITY	5 ~ 95 % RH. NON-CONDENSING		
VIBRATION TEST REQUIREMENT (Non-operating, with packing) Reference to IEC 68-2-6	Test conditions	Acceptance criteria	
	1.Frequency	5 ~ 500 Hz	Nominal functional test should be satisfied after the test
	2.Sweep	2houre. For each axis (X, Y, Z)	
	3.Acceleration	0.6G (5~50 Hz, peak - peak), 1.5G (50~500 Hz, peak - peak)	
	4.Displacement	0.4 mm (5~50 Hz)	
Dimension			

*ทางบริษัทขอสงวนสิทธิ์ในการปรับเปลี่ยน เเป็ลขึ้นแปลง แต่ขอ โดยไม่แจ้งให้ทราบล่วงหน้า