

PS1CPS

12V, 1 Camera Supply

Description



The PS1CPS is a fully regulated switch mode power supply providing 12 Volts DC at 750mA. The high frequency action enables it to work smoothly on a very wide AC input voltage range from 120 to 280 Volts with comparatively low power losses, high efficiency small size and lesser weight. Application: For 1 IR Camera up to 24 Led.

FEATURES

Over load cut off & recovery.
Short circuit and over voltage shutdown protection.
Input over & under voltage protection.
Thermal shut down protection and recovery.

TECHNICAL SPECIFICATIONS

Input Voltage	120-280V AC
Input Frequency	45~55Hz
Output Voltage	12V DC
Output Current	750 mA Max
Efficiency @ full load & 230 V AC	>85%
Operating Temperature	0~55 °C
Line Regulation	<1%
Load Regulation	<1%
Ripple	<50mv p-p
Isolation Between Input & Output	1500V AC
Input & Earth	1500V AC
Output & Earth	1500V AC
Dimensions: L*W*H	70*46*34 (size are in mm)
Weight	110 gm.

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Description



The PS1CPS is a fully regulated switch mode power supply providing 12 Volts DC at 750mAh. The high frequency action enables it to work smoothly on a very wide AC input voltage range from 90 to 280 Volts with comparatively low power losses, high efficiency small size and lesser weight. Application: For 1 IR Camera up to 24 Led.

FEATURES

Universal AC input / Full range
 Protections : Short Circuit / Overload/ Over Voltage
 Cooling by free air convection
 LED indication for power on
 100% full load burn-in test
 All using 105 °C long life electrolytic capacitors
 Withstand 300V AC surge input for 5 second
 High operating temperature up to 70 °C
 No load power consumption >0.5W*
 High efficiency, long life and high reliability
 18 months warranty

TECHNICAL SPECIFICATIONS

OUTPUT	DC VOLTAGE	12V DC
	RATED CURRENT	750 mAh. Max
	RATED POWER	9 Watt
	RIPPLE & NOISE (max)	<50mv p-p
	VOLTAGE ADJ RANGE	12.2 - 13.5
	VOLTAGE TOLERANCE	2.5%
	LIN REGULATION	<1%
	LOAD REGULATION	<1%
INPUT	VOLTAGE RANGE	90-280V AC
	FREQUENCY RANGE	45~55Hz
	EFFICIENCY FULL LOAD & 230V AC	>85%
	AC CURRENT (Typ.)	41 mA
	LEAKAGE CURRENT	0.25mA (Max) S.F.C (.75mA)
PROTECTION	OVER LOAD	Yes
	OVER VOLTAGE	Yes
ENVIRONMENT	WORKING TEMP.	45°C
	WORKING HUMIDITY	45%~55%
	DIMENSION : L*W*H	70*46*24 (Size are in mm)