

Parameters and Specifications of KTS-12P Switching Power Supply

Type		KTS-12P
output	DC Voltage	12V
	Rated current	1A
	Current range	0-1A
	Rated power	12W
	Ripple and Noise	120mVp-p
	Voltage adjustment range	12-14V
	Voltage accuracy	±2.0%
	Linear regulation	±0.5%
	Load regulation	±1.0%
	Start-up time	100ms,50ms/230VAC 1000ms, 50ms/115VAC(at full load)
	Hold Time (typ)	70ms/230VAV 18ms/115VAC(at full load)
input	Voltage range	100~240VAC/248~370VDC
	Frequency range	50~60Hz
	Efficiency (Typ)	82%
	Alternating Current (Typ)	1.2A/115VAC 0.8A/230VAC
	Surge Current (Typ)	Cold start: 35A/115VAC 65A/230VAC
	Leakage current	<2mA/240VAC
Protect	Overload	105% - 150% of the rated output power
		Protection mode: hiccup protection, which can automatically recover after the abnormal load condition is removed
	Overvoltage	15~16.5V Protection mode: Shut down the output voltage and it can be restored by restarting
Environment	Operating temperature	-10°C~+60°C
	Operating humidity	20~90%RH,no condensation
	Storage temperature、humidity	-10~+75°C 10~95%RH
	Temperature coefficient	±0.03%/°C (0~50°C)
	Vibration resistance	10~500Hz, 2G, 10 minutes per cycle, 60 minutes for each of the X, Y, and Z axes. The installation shall comply with IEC60068-2-6.
Safety and EMC	Safety code	Compliant with certifications of UL508, UL60950 - 1, TUV EN60950 - 1, and EAC TP TC 004.
	Voltage endurance	I/P-O/P:3KVAC I/P-FG:2.0KVA O/P-FG:0.4KVAC
	Insulation Impedance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/75%RH
	EMC Emission	Compliant with EN55011, EN55032 (CISPR32) CLASS B, EN61000 - 3 - 2, and EAC TP TC 020.
	EMC Immunity	Compliant with EN61000 - 4 - 2, 3, 4, 5, 6, 8, 11, EN55024, EN1000 - 6 - 2 (EN50082 - 2), and Class A heavy - industry standards.
Other	MRBF	≥1172.1K hrs,MIL,HDBK-217F(25°C)
	Dimension	25*93*56mm (L*W*H)
	Package	0.1Kg:140PCS/15Kg/0.92CUFT
Remark	<p>1.Unless otherwise specified, all specification parameters are tested at an input of 230VAC, under rated load, and in an environment of 25°C.</p> <p>2.Ripple and noise measurement method: Use a 12 - inch twin - wire cable, and connect a 0.1μF and a 47μF capacitor in parallel at the terminal. Measure with a bandwidth of 20MHz.</p> <p>3.Accuracy: Includes setting error, line regulation, and load regulation.</p> <p>4.Line regulation measurement method: Test from low voltage to high voltage under rated load.</p> <p>5.Load regulation measurement method: Test from 0% to 100% of the rated load.</p>	