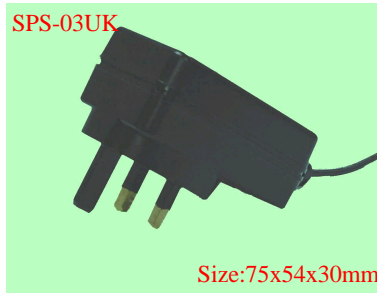




Switching Power Supplies

SPS-03 Series 5W to 10W

The SPS-03 series of AC/DC switching mode power supplies provide 5 to 10 Watts of continuous output power. This series meets the FCC Class B emission limits, and complies with UL, cUL, & PSE requirements.



Features:

*Universal AC input voltage

*2 prong plug-in mains connector

*Single output.

*Optional output connectors

*Build-in EMI Filter. Low ripple and noise

*Short circuit and over load protection.

Input:

Parameter	Condition/Description	Min	Nom	Max	Units
Input voltage		100		240	VAC
Input voltage Variety		90		264	VAC
Input AC frequency		47		63	Hz
Inrush current	Cold start @25 ; peak at 100 VAC peak at 240 VAC			15	A
				30	A
Leakage current	264 VAC input			0.5	mA

Output:

Parameter	Condition/Description	Min	Nom	Max	Units
Line regulation		-1%		+1%	
load regulation		-5%		+5%	
Ripple & noise	20MHz bandwidth			1.0% Vout	Vpp
Output power	0 to 40			10	W
Hold-up time	Full load		10		ms
Dielectric strength	Input/output	3000			VAC

Protection:

Over-current protection	Rating output current	110%		160%	
Over-voltage protection	Rating output voltage	110%		140%	

General & Environmental:

parameter	Condition/Description	min	nom	max	units
Efficiency	Typical at full load		70%		
Life	Typical at full load		50k		hours
Operating temperature		0		+40	
Storage temperature		-40		+85	
Humidity	Non-condensing	5%		90%	RH
Vibration	Vibration frequency 1,500 cycle/minute Swing 2mm Peak-Peak 3 Direction (X-Y-Z) each 30 minute				

Model:

Model	Output Voltage (V)	Output Current (A)	Output Power (W)
SPS-03C3.3-2	3.3	2	6.6
SPS-03C5-1	5	1	5
SPS-03C5-1.5	5	1.5	7.5
SPS-03C5-2	5	2	10
SPS-03C6-1	6	1	6
SPS-03C6-1.5	6	1.5	9
SPS-03C7-1	7	1	7
SPS-03C7-1.4	7	1.4	9.8
SPS-03C9-1	9	1	9
SPS-03C10-0.5	10	0.5	5
SPS-03C10-0.75	10	0.75	7.5
SPS-03C10-1	10	1	10
SPS-03C12-0.5	12	0.5	6
SPS-03C12-0.8	12	0.8	9.6
SPS-03C15-0.6	15	0.6	9
SPS-03C16-0.6	16	0.6	9.6
SPS-03C18-0.5	18	0.5	9
SPS-03C20-0.5	20	0.5	10
SPS-03C24-0.4	24	0.4	9.6
SPS-03C27-0.35	27	0.35	9.45
SPS-03C33-0.3	33	0.3	9.9
SPS-03C48-0.2	48	0.2	9.6