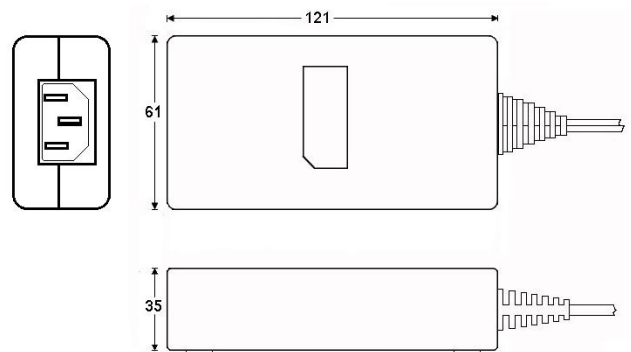


Switch Power Supply

Model : **SF-058A0F-11**



Shell Size:



position	L	W	H
Unit of length(mm)	121mm	61mm	35mm
KEY FEATURES * Universal input * Built-in EMI filter * Optional constant current charger * Optional +5V , 8A output * Optional output cable and plug		OUTPUT CURRENT 5.0VDC RATE 8A MIN 0A PEAK 9A	
INPUT * Input range -----90 ~ 264 VAC, universal * Frequency ----- 47 ~ 63Hz * Inrush current ----- 40A Typ. Cold start @ 25 C, 115VAC * Efficiency -----87.3% Typical at 120/220V AC 50/60Hz input and rated output full load. * Line regulation ----- +/- 0.5% OUTPUT * Maximum power ----- 40W			
RIPPLE AND NOISE 50mVp-p MAX. 20M Hz bandwidth, peak to peak, measured differentially. 100uf electrolytic capacitor across load.			
OVER VOLTAGE PROTECTION 7V Max (output voltage over voltage protection point,power supply unit will be no output).			
SHORT CIRCUIT PROTECTION No damage,smokeless,fireless auto-recover.			
EMI&EMC EN55032/CISPR 32 EN55024/CISPR 24 EN61000-3-2 /IEC 61000-3-2 EN61000-3-3 /IEC 61000-3-3		SAFETY APPROVAL DOE&Erp LEVEL 6 UL:EN-60950-1 Nemko: GS EN 60950-1:2006 + A11:2009 + A1:2010 + A11:2012 + A2:2013	

Test at 115V/60Hz report:

Tested model:	SF-058A0F-11			Test specimen 1		at 115V/60Hz
Nameplate Output:	5V,8A					
Percent of Nameplate Current	0%	25%	50%	75%	100%	Remark
RMS Input Voltage (V)	115.0	115.0	115.0	115.0	115.0	
Input Frequency (Hz)	60	60	60	60	60	
RMS Input Power (W)	0.032	11.412	22.928	34.603	46.432	Input Power (Pin)
True Power Factor	0.009	0.423	0.475	0.520	0.554	
Output Voltage (Vdc)	5.246	5.165	5.086	4.996	4.910	
Output Current (A)	--	2.001	4.000	6.004	8.001	
Active Output Power (W)	--	10.335	20.344	29.996	39.285	Output Power (Pout)
Power Consumed by UUT(W)	0.032	1.077	2.584	4.607	7.147	<0.21W at no load*)
Efficiency (%)	--	90.563	88.730	86.686	84.608	(Pout/Pin)*100%
Average Efficiency (%)	--	87.647				>86.07% at active mode*)
Note: *) see item 4 of test report for details						

Test at 230V/50Hz report:

Tested model:	SF-058A0F-11			Test specimen 1		at 230V/60Hz
Nameplate Output:	5V,8A					
Percent of Nameplate Current	0%	25%	50%	75%	100%	Remark
RMS Input Voltage (V)	230.0	230.0	230.0	230.0	230.0	
Input Frequency (Hz)	50	50	50	50	50	
RMS Input Power (W)	0.072	11.501	22.865	34.603	46.432	Input Power (Pin)
True Power Factor	0.014	0.425	0.464	0.488	0.502	
Output Voltage (Vdc)	5.225	5.153	5.078	4.999	4.908	
Output Current (A)	--	2.004	4.008	6.002	8.005	
Active Output Power (W)	--	10.327	20.353	30.004	39.289	Output Power (Pout)
Power Consumed by UUT(W)	0.072	1.174	2.503	4.184	9.545	<0.21W at no load*)
Efficiency (%)	--	89.789	88.730	86.686	84.608	(Pout/Pin)*100%
Average Efficiency (%)	--	86.763				>86.07% at active mode*)
Note: *) see item 4 of test report for details						