

**STFA28 SERIES**



**15W Open Frame Power Supply for I.T. Equipment**

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- Output Voltage Available From 5VDC To 33VDC
- Size: 2.16"x6.29"x1.37"
- Five Output, Class II Insulation
- Input connector mates with E.C.I 3961-03N2
- Output connector mates with Lead wire

**3 Year Warranty**

**Approvals: RoHS2**

**Output Specification**

Product Number	Output Voltage	Max. Output Current	Total Regulation	Maximum Output Power
STFA28	+3.3 VDC	1 A	5%	15W
	+5 VDC	0.9 A	5%	
	+6 VDC	0.5 A	5%	
	+9 VDC	0.4 A	5%	
	+33 VDC	0.01A	5%	

**Electrical Characteristics**

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Output Power Range	Vin= 90 to 264 VAC	0		15	W
Input Current (Low Line)	Io=Full load, Vin=115 VAC				A
Input Current (High Line)	Io=Full load, Vin= 230 VAC				A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC				A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230 VAC				A
Efficiency	Io=Full Load, Vin=230VAC		60		%
Line Regulation	Io=Full Load			1	%
Load Regulation	Vin=230VAC			5	%
Over Voltage Protection					%
Over Current Protection					%
Transient Response	Io=Full Load to Half Load, Vin=100VAC				mS
Hold-Up Time	Io=Full Load, Vin=110VAC	10			mS
Start Up Time	Io=Full Load, Vin=100VAC				S
Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		2		%
Safety Ground Leakage Current	Io= Full Load, Vin=240VAC				mA
Temperature Coefficient	All output				%/°C
No-Load Power Consumption	No Load, Vin=240VAC				W

### Conditions

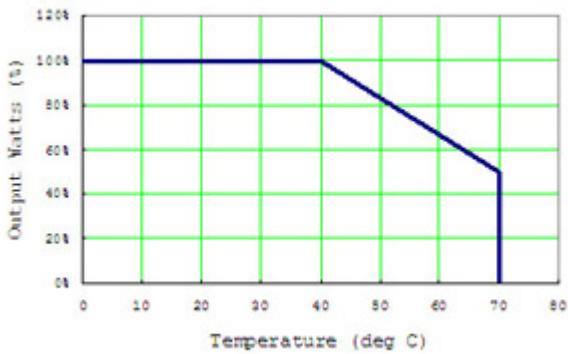
Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	°C
Storage Temperature		-40		85	°C
Relative Humidity		0		95	%
Operation temperature at 25°C, calculated per MIL-HDBK-217F					KHrs
Derate linearly from 100% load at 50°C to 50% load at 70°C					

### Approvals and Compliance

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage for Primary to Secondary	Primary to Secondary	4242	VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to Ground	2121	VDC
Isolation Resistance	Test Voltage=500VDC	50	MΩ
EMI requirements for CISPR-11	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-18	Vin=110VAC	B	CLASS
Safety Approvals		n/a	n/a
Environmental Compliance	RoHS	n/a	n/a

### Technical Chart

Derating Chart:



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 40°C to 50% load at 70°C