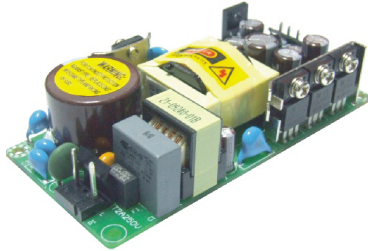


STFA41 SERIES

40W Open Frame Power Supply for I.T. Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- Internal EMI Filter
- Output Voltage Available From 3.3VDC Thru 24VDC
- Size: 2"x4"x0.89"
- Dual & Triple Output, Class I Insulation
- Input Surge Current, Over Load and Over Voltage Protection

3 Year Warranty
Approvals:
Multi Output

Part Number	Output 1				Output 2				Output 3				Output 4				Max Output Power
	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	
STFA41-D00	+3.3V	0.5A	5A	±7%	+12V	0.2A	2A	±5%									40W
STFA41-D01	+5V	0.5A	5A	±5%	+12V	0.2A	2A	±5%									40W
STFA41-D02	+5V	0.5A	5A	±7%	+15V	0.15A	1.5A	±5%									40W
STFA41-D03	+5V	0.5A	5A	±5%	+24V	0.1A	1A	±5%									40W
STFA41-D09	+12V	0.3A	3A	±5%	-12V	0.1A	1A	±5%									40W
STFA41-D10	+15V	0.2A	2A	±5%	-15V	0.1A	1A	±5%									40W
STFA41-T00	+3.3V	0.5A	5A	±7%	+12V	0.2A	2A	±5%	-12V	0.08A	0.8A	±10%					40W
STFA41-T01	+5V	0.35A	3.5A	±5%	+12V	0.2A	2A	±5%	-5V	0.08A	0.8A	±5%					40W
* STFA41-T02	+5V	0.35A	3.5A	±5%	+12V	0.2A	2A	±5%	-12V	0.10A	0.6A	±10%					40W
STFA41-T03	+5V	0.35A	3.5A	±5%	+15V	0.2A	2A	±5%	-15V	0.08A	0.8A	±10%					40W
STFA41-T04	+5V	0.35A	3.5A	±5%	+24V	0.1A	1A	±5%	-24V	0.05A	0.5A	±10%					40W
STFA41-T05	+5V	0.35A	3.5A	±5%	+24V	0.1A	1A	±5%	-12V	0.08A	0.8A	±10%					40W
STFA41-T06	+3.3V	0.5A	5A	±7%	+12V	0.2A	2A	±5%	-5V	0.08A	0.8A	±10%					40W

* Only STFA41-T02 has been approved by UL, TUV-GS and CE. The other models have not been approved yet.

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		40	W
Input Current (Low Line)	Io=Full load, Vin=115 VAC			0.8	A
Input Current (High Line)	Io=Full load, Vin= 230 VAC			0.5	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		12	15	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230 VAC		26	30	A
Efficiency	Io=Full Load, Vin=230VAC	74	80	88	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		3	10	%
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=110VAC	10	12		mS
Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S
Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io= Full Load, Vin=240VAC		0.4	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C
No-Load Power Consumption	No Load, Vin=240VAC	0.1		0.5	W

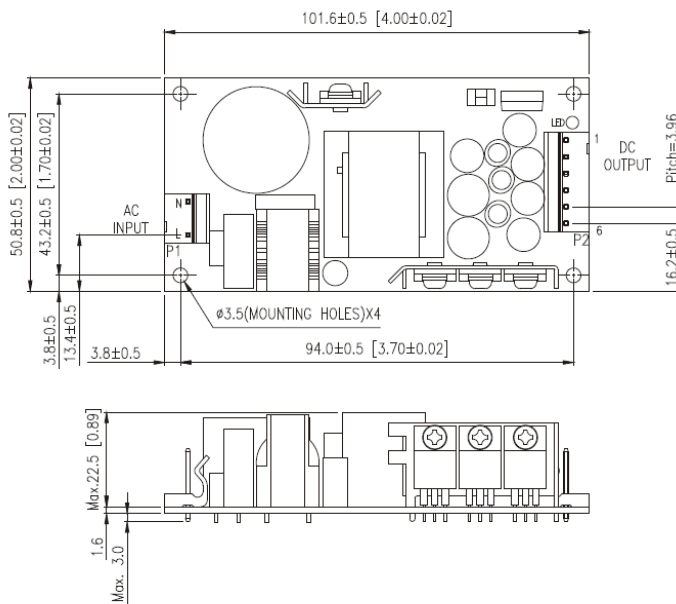
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	°C
Storage Temperature		-40		85	°C
Relative Humidity		5		95	%
Operation temperature at 25°C, calculated per MIL-HDBK-217F		100			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	(Only STFA41-T02) UL/C-UL 60950-1 , EN60950, CE	n/a	n/a
Environmental Compliance	RoHS	n/a	n/a

Mechanical and PIN out



PIN	1	2	3	4	5	6
Part Number	Vo3	COM	COM	Vo1	Vo1	Vo2
STFA41-XXX						

Note:

- Dimensions are shown in mm & inch
- Weight: approx. 145g
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal.