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25W Desktop Type Switching Power Supplies For I.T.E. **ENERGY STAR COMPLIANT**

Description:

The PSE25 series of AC/AD switching mode power supplies provide 25Watts of continuous output power. All supplies are UL94V-0 compliant, include IEC-320-C14 input for worldwide applications, All models meet FCC-Part-15 class B and CISPR-22 class B emission limits and are designed to comply with UL, c-UL, TUV and CE requirements. All units are 100% burned in and tested.



Features:

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- CEC and Energy Star Compliant
- Approved as a limited power source
- IEC-320-C14 Input Inlet
- Output Voltage Available from 5VDC through 48VDC
- Optional Output Connectors (See Appendix)
- Single Output
- Splash Proof
- One Year Warranty

ELECTRICAL CHARACTERISTICS:

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V _{in}	Input Voltage	-	90	-	260	VAC
F _{in}	Input Frequency	-	47	-	63	Hz
W _o	Output Power Range	V _{in} = 90 to 264 VAC	0	-	80	W
V _o	Output Voltage Range	-	See Rating Chart			V
I _o	Output Current Range	-	See Rating Chart			A
I _{il}	Input Current (Low Line)	I _o =Full Load, V _{in} =115VAC	-	-	0.4	A
I _{ih}	Input Current (High Line)	I _o =Full Load, V _{in} =230VAC	-	-	0.25	A
I _{rl}	Low Line Inrush Current	I _o =Full Load, 25°C, Cool Start, V _{in} =115VAC	-	12	15	A
I _{rh}	High Line Inrush Current	I _o =Full Load, 25°C, Cool Start, V _{in} =230VAC	-	26	30	A
E _{ff}	Efficiency	I _o =Full Load, V _{in} =230VAC	75	85	95	%
REG-i	Line Regulation	I _o =Full Load	-	0.5	1	%
REG-o	Load Regulation	V _{in} =230VAC	-	3	5	%
OVP	Over Voltage Protection	-	112	-	132	%
OCP	Over Current Protection	-	110	-	150	%
T _{tr}	Transient Response	I _o =Full Load to Half Load, V _{in} =100VAC	-	-	4	mS
T _{hold}	Hold-Up Time	I _o =Full Load, V _{in} =100VAC	16	-	-	mS
T _s	Start Up Time	I _o =Full Load, V _{in} =100VAC	0.3	1	2	S
V _{rn}	-	Full Load, V _{in} =240VAC	-	0.5	1	%
I _{lk}	Safety Ground Leakage Current	I _o =Full Load, V _{in} =240VAC	-	0.5	0.75	mA
T _c	Temperature Coefficient	All Output	-0.04	-	0.04	%/°C

Environmental:

Sym	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
T _{oper}	Operating Temperature		0	-	70	°C
T _{stg}	Storage Temperature		- 40	-	85	°C
H _r	Relative Humidity		5	-	95	%
P _d	Derated From 100% at + 50°C Linearly to 50% at 70°C					

Safety Specifications

Sym	Parameter	Test Conditions	Min	Typ	Max	Unit
V _{ps}	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242	-	-	VDC
V _{pg}	Dielectric Withstanding Voltage for Primary to ground	Primary to ground	2121	-	-	VDC
R _i	Isolation Resistance	Test Voltage = 500VDC	50	-	-	M ohm
C _{ispr}	EMI requirements for CISPR-22	V _{in} =220VAC	B	-	-	CLASS

OUTPUT VOLTAGE AND CURRENT OUTPUT (Single Output):

Model Number	Output Voltage	Output Current	Total regulation	Maximum Output Power
PSE25-105A	5-6VDC	3.00-2.75A	5%	16.5W
PSE25-209A	8-11VDC	2.75-2.00A	5%	22W
PSE25-312A	11-13VDC	2.27-1.92A	5%	25W
PSE25-624A	21-27VDC	1.19-0.92A	5%	25W
PSE25-848A	40-48VDC	0.62-0.52A	5%	25W

Fcc	EMI requirements for CISPR-15	Vin=110VAC	B	-	-	CLASS
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Mechanical Specifications :

Note:
1. Dimensions are shown in mm.
2. Weight: 170gs approx.
3. Optional output connector:
See page Appendix.

