

Ultraminiature PCB Mount Modular Switching Power Supplies

5 - 30 Watt PCB Mount / Chassis Mount

Input Voltage Range:	85-265VAC, 100-340VDC
Isolation	Nominal: 100-240VAC Input to Output: 3000VAC (Commerical) 4000VAC (Medical) O/G: 1K VAC I/G 2500VAC
Frequency	47 - 440 Hz Nominal: 50 - 60Hz
Inrush Current, Typ.	20A @ 100VAC, 40A @ 200VAC
Operating Frequency	140Khz, Fixed
Efficiency	@ Full Load 75 - 80% typ
Initial Accuracy	± 1% of FS Typ
Voltage Adjust	± 6% of FS Typ
Line Regulation	± 3% of FS Typ
Load Regulation	± 3% of FS, Typ
Ripple & Noise	50mV P - P, Typ (20Mhz BW)
Holdup Time	@ Full Load 30mS, Typ
On/Off Control	Open Collector, logic "1" =ON, "0"=Off
Overvoltage Protection	Clamp Type
Short Circuit Protection	Continuous
Current Limiting	100-130% of overrange Foldback Type
Temp Coefficient	(0 to 50 DegC) 0.03% / DegC, Typ
Safety Approvals	UL, cUL, TUV, CE



- 5 Watts to 30 Watts
- Universal 85 - 265 VAC Inputs
- 3.3VDC to 24 VDC Outputs
- Commerical and Medical Models
- Pin & Screw Terminal Package

OUTPUT VOLTAGE / CURRENT RATING CHARTS

SINGLE OUTPUT

MODEL NUMBER	OUTPUT CURRENT (A)				
	3.3V	5V	12V	15V	24V
TPSXX-5000	1.25A				
TPSXX-0100	2.5A				
TPSXX-1500	3.5A				
TPSXX-0300	7.5A				
TPSXX-5001		1A			
TPSXX-0101		2A			
TPSXX-1501		3A			
TPSXX-0301		6A			
TPSXX-5002			0.42A		
TPSXX-0102			0.85A		
TPSXX-1502			1.25A		
TPSXX-0302			2.5A		
TPSXX-5003				0.33A	
TPSXX-0103				0.67A	
TPSXX-1503				1A	
TPSXX-0303				2A	
TPSXX-5005					0.23A
TPSXX-0105					0.42A
TPSXX-1505					0.63A
TPSXX-0305					1.25A

DUAL OUTPUT

MODEL NUMBER	OUTPUT CURRENT (A) / WATTS		
	+/-12V	+/-15V	+5/12V
TPSXX-5006	+/-0.21A		
TPSXX-0106	+/-0.42A		
TPSXX-1506	+/-0.63A		
TPSXX-0306	+/-1.25A		
TPSXX-5007		+/-0.17A	
TPSXX-0107		+/-0.34A	
TPSXX-1507		+/-0.5A	
TPSXX-0307		+/-1A	
TPSXX-0108			1/0.42A
TPSXX-1508			1.5/0.63A
TPSXX-0308			3/1.25A

TRIPLE OUTPUT

MODEL NUMBER	OUTPUT CURRENT (A) / WATTS	
	+5, +/-12V	+5, +/-15V
TPSXX-5009	0.6, +/-0.1A	
TPSXX-0109	1, +/-0.1A	
TPSXX-1509	2.5, +/-0.1A	
TPSXX-0309	3, +/-0.63A	
TPSXX-5011		0.45, +/-0.1A
TPSXX-0111		1, +/-0.1A
TPSXX-1511		2.5, +/-0.1A
TPSXX-0311		3, +/-0.5A

Note:

1. Replace first "X" in Model Number with "C" or "M" to specify Commercial or Medical Version
2. Replace second "X" in Model Number with "P" or "S" to specify Pin or Screw Mount.

MECHANICAL DIMENSIONS: MM [INCHES] (Not to Scale)

PCB MOUNT DIMENSIONS

SERIES	DIM A	DIM B	DIM C	DIM D	DIM E
5W SERIES	45.0[1.77]	57.9[2.28]	21.0[0.83]	5.3[0.21]	47.0[1.85]
10W SERIES	45.0[1.77]	65.0[2.56]	21.0[0.83]	5.5[0.22]	54.0[2.126]
15W SERIES	48.0[1.89]	69.0[2.75]	23.5[0.93]	4.0[0.16]	62.0[2.44]
30W SINGLE	63.5[2.50]	81.26[3.50]	24.9[0.98]	3.8[0.15]	81.28[3.20]
30W DUAL/TRIP	63.5[2.50]	103.12[4.06]	24.9[0.98]	3.8[0.15]	81.28[3.20]

CHASSIS MOUNT DIMENSIONS

SERIES	DIM A	DIM B
5W	95.8 [3.77]	87.12 [3.43]
10W	65.8 [3.77]	87.12 [3.43]
15W	100.6 [3.96]	91.95 [3.62]

