

**Radiated & Conducted
EMI per EN55022-B &
FCC Class B**

Universal AC Input

**Full Power at 50°C with
Convection Cooling**

**High Grade Components
for Continuous
Operation**

**Worldwide Safety
Agency Approvals**

**Lambda's 2 Year
Warranty**

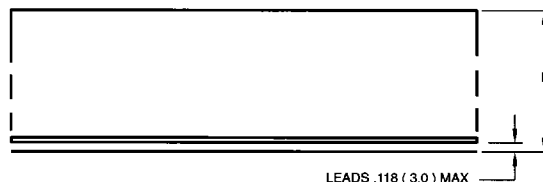
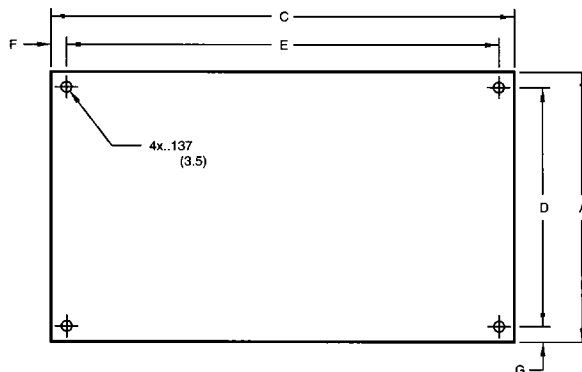
Lambda's SWT series of triple output PCB style power supplies have a continuous wide range or auto ranging AC input and EMI to curve B. Full power is available up to 50°C ambient without the need for forced air cooling.

Available in four Industry standard package sizes from 30-100 watts using high performance components, Lambda's SWT series will prove to be the economical choice for high reliability and quality, ensuring maximum up-time. The SWT has been designed with the global market in mind featuring world-wide safety approvals including: UL1950, CSA950, EN60950, Dentori and carries the CE Mark.

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AC Input	SWT30, SWT40 & SWT100: 85-265VAC, 47-63Hz. (110-340VDC) SWT65: 85-132, 170-265VAC, 47-63 Hz (Autostrap).
Efficiency	At 100VAC, 100% load, 25°C ambient. SWT30 & SWT40: 70%; SWT65: 72%; SWT100: 74%.
Inrush Current Limiting	25°C ambient, cold start. SWT30, SWT40, SWT100, 15A at 100VAC, 30A at 200VAC. SWT65, 30A at 100/200VAC.
EMI	Conforms to EN55022 Curve B, FCC Class B, VCCI-II.
Output Adjustment	None.
Line Regulation	+5V 1%, +12/15V 2%, -5/12/15V 1% 85-132 or 170-265VAC input change.
Load Regulation	+5V 2%, +12/15V 4%, -5/12/15V 2%. Minimum load to maximum load change.
Minimum Load	SWT30: +5V 0.2A, +12/15 0.4A; SWT40: +5V 0.2A, +12/15V 0.3A; SWT65: +5V 0.3A, SWT100: +5V 0.5A.
Ripple and Noise	±5V 120mV, ±12 or ±15V 150mV.
Hold-up Time	17ms at 100VAC, 25°C and maximum average output power.
Overcurrent Protection	Current limiting with automatic recovery. Avoid prolonged operation in overload or dead short. SWT30: >170%; SWT40: >140% SWT65: >105%; SWT100 > 105%.
Overvoltage Protection	+5V output only. Output clamped by zener diode to ~6V.
Cooling	Natural Convection.
Operating Temperature Range	-10°C to +60°C. 100% output at 50°C, derate linearly to 70% at 60°C.
Storage Temperature	-20°C to +85°C.
Temperature Coefficient	0.04% per °C.
Humidity	10% to 95% RH (non-condensing).
Isolation	Input to Output – 3.0 kVAC. Input to Chassis(FG) – 2.5kVAC. Output to Chassis(FG) – 500kVAC.
Isolation Resistance	Output to Chassis(FG) > 100MΩ at 25°C and 70% RH.
Remote Sensing	None.
Input and Output Connections	Molex. (Mating part #)
Safety Agency Approval	UL1950, CSA950, EN60950, Dentori, CE Mark.
Options	Code A (Add cover, additional deratings may apply).
Warranty	2 years.

POWER(W)	OUTPUT 1	OUTPUT 2	OUTPUT 3	MODEL
29.5	+5V@2A	+12V@1.5A	-5V@.3A	SWT30-525
31.6	+5V@2A	+12V@1.5A	-12V@.3A	SWT30-522
31.6	+5V@2A	+15V@1A	-15V@.3A	SWT30-5FF
42.0	+5V@3A	+12V@2A	-5V@.3A	SWT40-525
42.0	+5V@3A	+15V@1.5A	-15V@.3A	SWT40-5FF
42.6	+5V@3A	+12V@2A	-12V@.3A	SWT40-522
62.5	+5V@6A	+12V@2.5A	-5V@.5A	SWT65-525
64.5	+5V@6A	+15V@1.8A	-15V@.5A	SWT65-5FF
66.0	+5V@6A	+12V@2.5A	-12V@.5A	SWT65-522
92.0	+5V@8A	+12V@4A	-5V@.8A	SWT100-525
97.6	+5V@8A	+12V@4A	-12V@.8A	SWT100-522
100.0	+5V@8A	+15V@3.2A	-15V@.8A	SWT100-5FF



DIMENSION:							WEIGHT LBS.
MODEL	A	B	C	D	E	F	G
SWT30	3.00 (76.2)	1.20 (30.48)	5.00 (127.0)	2.550 (64.77)	4.550 (115.57)	0.22 (5.58)	0.22 (5.58)
SWT40	3.00 (76.2)	1.40 (35.56)	5.00 (127.0)	2.550 (64.77)	4.550 (115.57)	0.22 (5.58)	0.22 (5.58)
SWT65	3.50 (88.90)	1.77 (45.00)	6.00 (152.40)	3.100 (78.74)	4.80 (121.92)	0.6 (15.24)	0.175 (4.45)
SWT100	4.25 (107.95)	1.77 (45.00)	7.75 (196.85)	3.750 (95.25)	7.250 (184.15)	0.25 (6.35)	0.25 (6.35)

NOTE:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS () ARE IN MM.