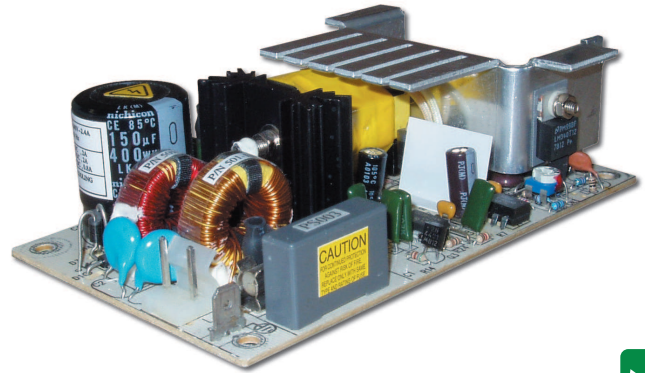


3 x 5" 40W to 60W AC-DC Power Supplies

Features

- ◆ Low Cost
- ◆ Single and Multiple Outputs
- ◆ Wide Range AC Input
- ◆ Low profile
- ◆ Global Safety Agency Compliance
- ◆ Meets EN61000-4 (-2 to -6)
- ◆ Industry standard footprint



Key Market Segments & Applications



Specifications		
Model		SCS40 SCT4x SCS60 SCD60 SCT6x
Output Power Convection	W	40
Output Power Forced Air	W	55
Main Output Adjustment	V	-5, +10% O/P 1 only
Line and Load Regulation	%	Output 1: $\pm 2\%$, Output 2: $\pm 5\%$ ($\pm 7\%$ on 24V models), Output 3: $\pm 5\%$
Hold Up Time (typical)	ms	20
Size (1)	in	3 x 5 x 1"
AC Input	-	85-265 VAC, 47-63 Hz
Efficiency	%	Typically 70% full load at nominal AC Line
Inrush Current Limiting	A	36A typical @230VAC cold start
Surge Immunity	-	EN61000-4 (-2 through -6) level 3
EMI	-	FCC Class B, EN55022 B
Cross Regulation	%	$\pm 2\%$ on output 1, $\pm 5\%$ on outputs 2 & 3 (multiple outputs only)
Ripple and Noise	%	1% peak to peak
Overcurrent Protection	-	Short circuit protection, automatic recovery
Overvoltage Protection	-	Output 1 only, $<135\%$
Cooling	-	When specified with forced air cooling, flow is 300 LFM (1.5m/s)
Operating Temp. Range (2)	-	0 to $+70^{\circ}\text{C}$ (Derate linearly to 50% load from $50-70^{\circ}\text{C}$)
Storage Temperature	$^{\circ}\text{C}$	-20 to $+85^{\circ}\text{C}$
Safety Agency Approval	-	UL60950-1, CSA60950-1, IEC/EN60950-1, CE Mark
Warranty	yr	1 year

(1) Height is specified as maximum component height

Note: See Installation Manual for full details, test methods of parameters and application notes

(2) -40°C startup, contact factory for details.

Options

	Model	O/P (V)	Min Load(A)	Convec. (A)	Forced Air(A)	Peak Load(A)**
Single Output	SCS4024	V1 24.0	-	1.6	2.3	2.5
	SCS4048	V1 48.0	-	0.9	1.2	1.3
	SCS6012	V1 12.0	-	5.0	6.7	7.5
	SCS6024	V1 24.0	-	2.5	3.3	3.8
	SCS6028	V1 28.0	-	2.1	2.9	3.2
	SCS6048	V1 48.0	-	1.3	1.7	1.9
Dual Output	SCD601515	V1 15.0	0.2	2.2	2.9	-
		V2 -15.0	0.2	1.8	2.4	-
Triple Output	SCT42	V1 5.0	0.4	4.0	5.0	7.0
		V2 12.0	0.2	2.0	2.5	4.0
		V3 -12.0	-	0.5	0.7	1.0
	SCT45	V1 5.0	0.4	4.0	5.0	7.0
		V2 15.0	0.2	2.0	2.5	3.0
		V3 -15.0	-	0.5	0.7	1.0
	SCT48/R*	V1 5.0	0.4	4.0	5.0	6.0
		V2 24.0	0.1	1.0	1.5	2.0
		V3 -5.0	-	0.5	0.7	1.0
	SCT62	V1 5.0	0.7	7.0	-	10.0
		V2 12.0	0.3	3.0	-	6.0
		V3 -12.0	-	0.7	-	1.5
Triple Output	SCT63	V1 5.0	0.7	7.0	-	10.0
		V2 15.0	0.3	2.8	-	4.0
		V3 -15.0	-	0.7	-	1.5
	SCT65	V1 5.0	0.7	7.0	-	10.0
		V2 24.0	0.1	1.5	-	3.0
		V3 12.0	-	0.7	-	1.5

Model Selector Notes:

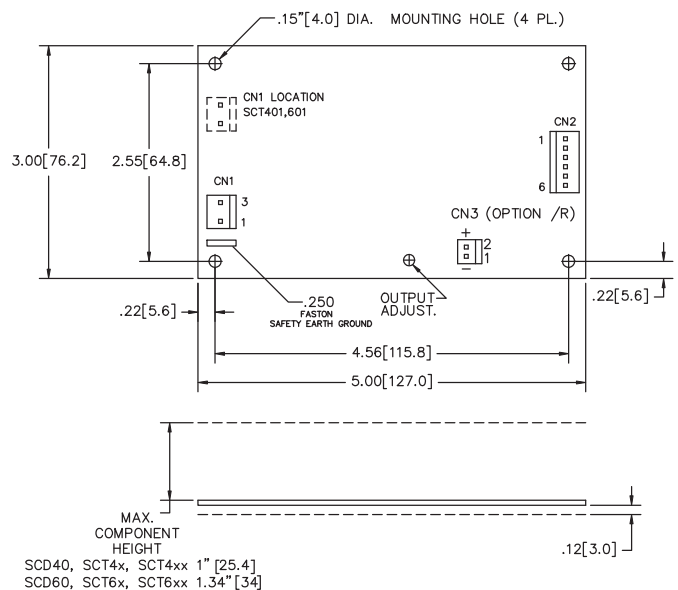
* /R = Remote Sense. Leave unconnected when not used.

** <30s, 10% duty cycle, average power must not exceed maximum ratings.

Other AC-DC Products

ZP	20 to 60W 2" x 4", 1-3 outputs
NV175	175W 3" x 5", 1-5 outputs
ZWS	5 to 240W single output, universal input
VSU, VSC, VSP	10 to 150W single output, 115VAC input
SCS120PW	120W 3" x 5" single output
CSS150	150W 3" x 5" single output

Outline Drawing



NOTES:

1. DIMENSIONS SHOWN IN INCH [mm]

2. TOLERANCE .02 [0.5] MAXIMUM

3. MATING CONNECTORS:

CN1	MOLEX	09-50-8031
CN2	MOLEX	09-50-8061
CN2	MOLEX	09-50-8071 (SCT401/601)
CN1, 2 PINS	MOLEX	08-52-0113
CN3	MOLEX	22-01-3027
CN3 PINS	MOLEX	08-50-0114

For Additional Information, please visit
us.tdk-lambda.com/lp/products/sc-series.htm



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