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TECHNOLOGY GROUP

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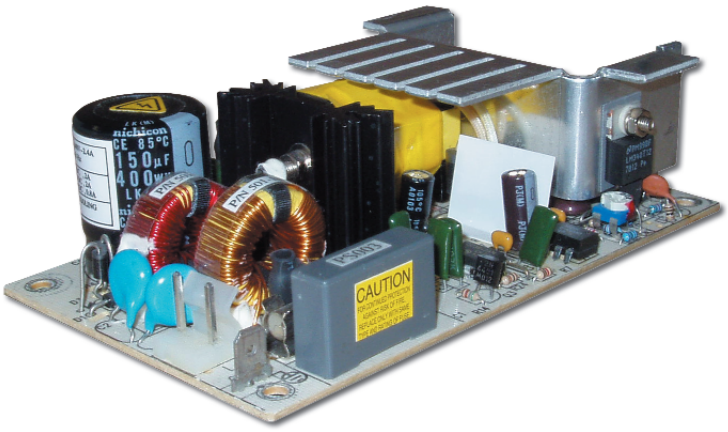
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TDK·Lambda

SC40/60 Series

3 x 5" 40W to 80W AC-DC Power Supplies



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

RoHS

Key Market Segments & Applications

Computer Peripherals
Datacom
Point of Sale
Test and Measurement

Features and Benefits

Feature	Benefit
◆ Industry standard footprint	◆ Availability to second source
◆ Broad product range	◆ Optimization of power supply to system
◆ Meets EN61000-4 immunity	◆ Greater reliability

Specifications

ITEMS \ MODELS		SCS40	SCT4x	SCS60	SCD60	SCT6x
Output Power Convection	W	40		60		
Output Power Forced Air	W	55		-		
Main Output Adjustment	V	-5, +10% O/P 1 only		-5, +10%		
Line and Load Regulation	%	Output 1: ±2%, Output 2: ±5% (±7% on 24V models), Output 3: ±5%				
Hold Up Time (typical)	ms	20		20		
Size (1)	in	3 x 5 x 1"		3 x 5 x 1.34"		
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	%	± 2% on output 1, ±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°C (Derate linearly to 50% load from 50-70°C)				
Storage Temperature	-	-20 to +85°C				
Safety Agency Approval	-	UL60950-1, CSA60950-1, IEC/EN60950-1, CE Mark				
Warranty	-	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.

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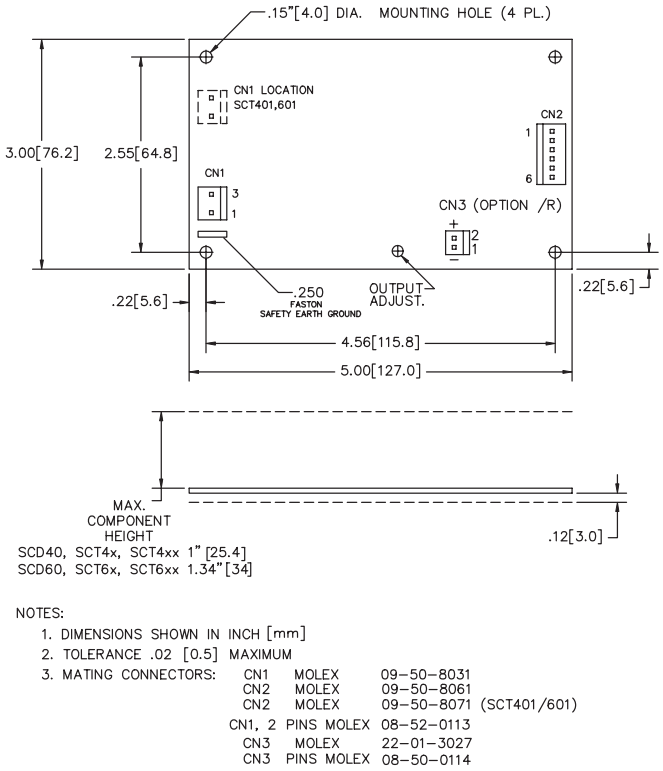
SC40/60 Series

Model Selector

	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
	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

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

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
VSB, VSC, VSP	10 to 150W single output, 115VAC input
SCS120PW	120W 3" x 5" single output
CSS150	150W 3" x 5" single output

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

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