

SDM/SDS SWITCHERS



FEATURES:

- 29 multi-output, 20 single-output models — 5 power levels, 45 to 200 watts
- IEC, VDE, UL, CSA approved
- Meets the toughest domestic and international safety requirements, 4000 VAC isolation and all VDE spacings
- Meets the most stringent domestic and international EMI requirements, FCC Class B and VDE 0871 Class B (down to 150 KHz)
- Choice of tightly regulated or high peak current auxiliary outputs
- Extremely versatile output configurations for varied applications
- LED "ON" indicator simplifies system troubleshooting
- Superior light load operation without audible noise
- Industry standard packages with extra power
- Multi-output — up to 5 outputs
- Powerfail and logic inhibit on 140-watt and 200-watt multi-output units
- Worldwide AC input ranges 90-132/180-264 VAC
- Full load burn-in and 2-year warranty

SPECIFICATIONS:

AC Input:	90-132/180-264 VAC, user selectable, 47-63 Hz single phase.	Overvoltage Protection (SDM Series):	Built-in on +5V outputs with firing point set at 6.2V \pm 0.6VDC.
DC Outputs:	See output rating chart.	Overvoltage Protection (SDS Series):	Built-in on all units, with firing point set as follows: 5V Units = 6.2V \pm 0.6V; 12V Units = 14V \pm 1.0V; 15V Units = 19V \pm 1.5V; 24V Units = 28V \pm 2.2V.
Hold Up Time:	20 mS minimum @ full load and nominal input voltage.	Voltage Adjustment (SDM Series):	Built-in potentiometer adjusts voltage from 4.5V to overvoltage firing point (6.2V nominal).
Powerfail Signal:	TTL- or CMOS-compatible signal goes low 8 mS before output drops out of regulation due to loss of AC power. This signal is provided on the SDM/SDS140 and SDM/SDS200 models only.	Voltage Adjustment (SDS Series):	Built-in potentiometer adjusts voltage from -10% of nominal to overvoltage firing point.
Logic Inhibit Input:	The output voltages are inhibited to less than 1.3 VDC when this TTL-compatible is driven high. This input is provided on the SDM/SDS140 and SDM/SDS200 models only.	Current Limit Adjustment:	Built-in potentiometer set to begin current limiting at the following peak power outputs minimum under nominal line conditions: SDM45: 58 watts SDM140: 175 watts SDM80: 100 watts SDM200: 250 watts SDM110: 138 watts SDS units at 125% of rated current.
Output Regulation (SDM Series):	See output rating chart for individual output regulation ratings. Regulation ratings shown are for combined line and load variations with the line varied from either 90-132 or 180-264 VAC and the load on the output under test varied from 50% to either 20% or 100% with the other loads held constant at 50%.	Efficiency:	70% \pm 5% depending on model and load distribution. Measured at 100% of rated power.
Output Regulation (SDS Series):	\pm 0.1% for combined line and load variations with the line varied from either 90-132 or 180-264 VAC and the load varied from 5% to 100%.	Overshoot:	No output overshoot on turn-on or turn-off.
Minimum Load:	A minimum load is required on the +5V output to maintain proper operation of the other outputs. Minimum loads: SDM45: 2A SDM140: 4A SDM80: 2A SDM200: 6A SDM110: 3A Operation down to no load will not cause damage, and the +5V output will generally remain within regulation.	Overload Protection:	Fully protected against output overload and short circuit. Automatic recovery after removal of fault.
Output Noise and Ripple:	0.3% RMS, 1.0% P-P maximum on all outputs.	Reverse Voltage Protection:	All outputs protected against inadvertent application of reverse voltage.
Transient Response:	500 microseconds typical response time for a 50% to 100% or 100% to 50% load change. Maximum voltage deviation: \pm 4.0%. (+5V output only on SDM models.)	Input Protection:	Internal AC fuse provided on all units.
Temperature Coefficient:	0.03%/°C for all outputs.	Inrush Current:	Inrush current is limited by an internal thermistor for maximum protection of input rectifiers.
		Temperature Rating:	0 to +50 °C at full rated output power, with natural convection cooling in a non-restricted environment. For operation in a confined space, moving air is recommended. For operation above 50 °C, it is important that the cooling vs. loading profile is such that the heat sinks do not operate above 90 °C for extended periods.

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45 WATTS (58W PK)

Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes
SDM 45A	1	+ 5V	5.0A	ADJ.	1.5%	B
	2	+ 12V	2.0A (4.0A PK)	3.0%	1.5%	B
	3	- 12V	1.0A	4.0%	1.0%	C
SDM 45B	1	+ 5V	5.0A	ADJ.	0.5%	A
	2	+ 12V	1.0A	4.0%	1.0%	C
	3	- 12V	1.0A	4.0%	1.0%	C
SDM 45F	1	+ 5V	5.0A	ADJ.	0.5%	A
	2	+ 15V	1.0A	4.0%	1.0%	C
	3	- 15V	1.0A	4.0%	1.0%	C

80 WATTS (100W PK)

SDM 80A	1	+ 5V	9.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	- 12V	2.0A	3.0%	3.0%	D
	4	- 5V	0.6A	4.0%	1.0%	C
SDM 80B	1	+ 5V	9.0A	ADJ.	1.5%	B, F
	2	+ 12V	3.0A (5.0A PK)	3.0%	1.5%	B, F
	3	- 12V	1.0A	4.0%	1.0%	C
	4	- 5V	0.6A	4.0%	1.0%	C
SDM 80C	1	+ 5V	9.0A	ADJ.	0.5%	A
	2	+ 12V	1.0A	4.0%	1.0%	C
	3	- 12V	1.0A	4.0%	1.0%	C
	4	- 5V	0.6A	4.0%	1.0%	C
SDM 80E	1	+ 5V	7.0A	ADJ.	0.5%	A
	2	+ 15V	3.0A (5.0A PK)	4.0%	3.0%	D
	3	- 15V	2.0A	4.0%	3.0%	D
	4	- 5V	0.6A	4.0%	1.0%	C
SDM 80F	1	+ 5V	9.0A	ADJ.	0.5%	A
	2	+ 15V	1.0A	4.0%	1.0%	C
	3	- 15V	1.0A	4.0%	1.0%	C
	4	- 5V	0.6A	4.0%	1.0%	C

140 WATTS (175W PK)

Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes
SDM 140A	1	+ 5V	15.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 140B	1	+ 5V	15.0A	ADJ.	1.5%	B, H
	2	+ 12V	3.0A (5.0A PK)	3.0%	1.5%	B, H
	3	12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E
	4	- 12V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 140C	1	+ 5V	15.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	1.0A	4.0%	1.0%	C, E
	4	- 12V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C

110 WATTS (138W PK)

Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes
SDM 110A	1	+ 5V	12.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110B	1	+ 5V	12.0A	ADJ.	1.5%	B, G
	2	+ 12V	3.0A (5.0A PK)	3.0%	1.5%	B, G
	3	12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E
	4	- 12V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110C	1	+ 5V	12.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	1.0A	4.0%	1.0%	C, E
	4	- 12V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110D	1	+ 5V	12.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	5V (ISO)	3.0A (May be paralleled with +5V for 15A)	4.0%	1.0%	D, E
	4	- 12V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110E	1	+ 5V	10.0A	ADJ.	0.5%	A
	2	+ 15V	3.0A (5.0A PK)	4.0%	3.0%	D
	3	15V (ISO)	3.0A (5.0A PK)	4.0%	3.0%	D, E
	4	- 15V	3.0A	4.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110F	1	+ 5V	12.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	4.0%	3.0%	D
	3	15V (ISO)	1.0A	4.0%	1.0%	C, E
	4	- 15V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 110G	1	+ 5V	12.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D
	3	24V (ISO)	1.5A (3.0A PK)	5.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C

200 WATTS (250W PK)

Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes
SDM 200A	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	5.0A (8.0A PK)	3.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 200B	1	+ 5V	20.0A	ADJ.	1.5%	B, J
	2	+ 12V	5.0A (8.0A PK)	3.0%	1.5%	B, J
	3	12V (ISO)	5.0A (8.0A PK)	3.0%	3.0%	D, E
	4	- 12V	1.2A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C
SDM 200C	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	12V (ISO)	1.2A	4.0%	1.0%	C, E
	4	- 12V	1.2A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C

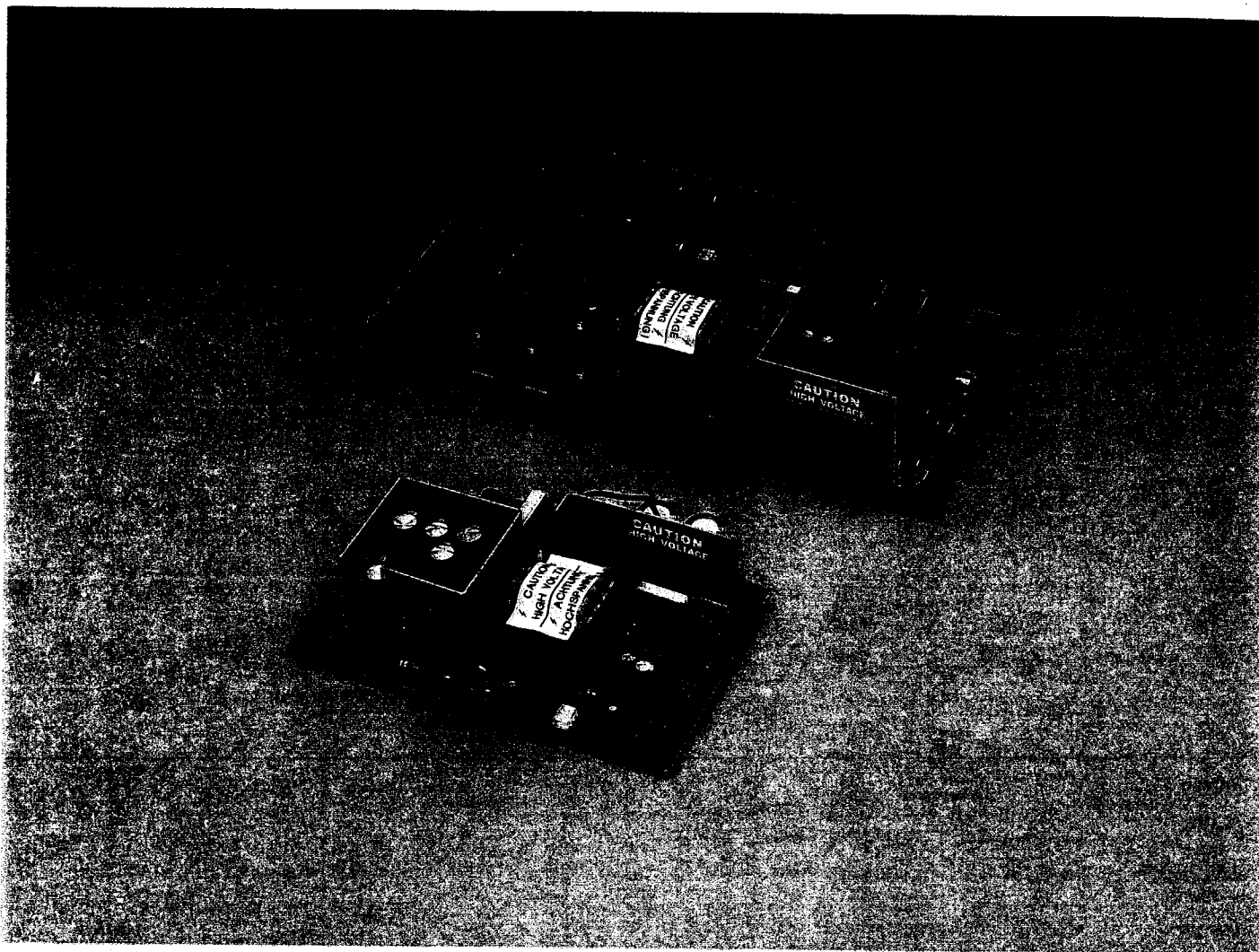
SDM/SDS SWITCHERS

140 WATTS (175W PK)							200 WATTS (250W PK)						
Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes	Model	Output	Voltage	Current	Initial Setting (+/-)	Output Regulation (+/-)	Notes
SDM 140A	1	+ 5V	15.0A	ADJ.	0.5%	A	SDM 200A	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D		2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	+ 12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E		3	+ 12V (ISO)	5.0A (8.0A PK)	3.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D		4	- 12V	3.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140B	1	+ 5V	15.0A	ADJ.	1.5%	B, H	SDM 200B	1	+ 5V	20.0A	ADJ.	1.5%	B, J
	2	+ 12V	3.0A (5.0A PK)	3.0%	1.5%	B, H		2	+ 12V	5.0A (8.0A PK)	3.0%	1.5%	B, J
	3	+ 12V (ISO)	3.0A (5.0A PK)	3.0%	3.0%	D, E		3	+ 12V (ISO)	5.0A (8.0A PK)	3.0%	3.0%	D, E
	4	- 12V	1.0A	4.0%	1.0%	C		4	- 12V	1.2A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140C	1	+ 5V	15.0A	ADJ.	0.5%	A	SDM 200C	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D		2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	+ 12V (ISO)	1.0A	4.0%	1.0%	C, E		3	+ 12V (ISO)	1.2A	4.0%	1.0%	C, E
	4	- 12V	1.0A	4.0%	1.0%	C		4	- 12V	1.2A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140D	1	+ 5V	15.0A	ADJ.	0.5%	A	SDM 200D	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D		2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	+ 5V (ISO)	6.0A (May be paralleled with +5V for 21A)			D, E		3	+ 5V (ISO)	7.0A (May be paralleled with +5V for 27A)			D, E
	4	- 12V	1.0A	4.0%	1.0%	C		4	- 12V	1.2A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140E	1	+ 5V	12.0A	ADJ.	0.5%	A	SDM 200E	1	+ 5V	16.0A	ADJ.	0.5%	A
	2	+ 15V	3.0A (5.0A PK)	4.0%	3.0%	D		2	+ 15V	5.0A (8.0A PK)	4.0%	3.0%	D
	3	+ 15V (ISO)	3.0A (5.0A PK)	4.0%	3.0%	D, E		3	+ 15V (ISO)	5.0A (8.0A PK)	4.0%	3.0%	D, E
	4	- 15V	3.0A	4.0%	3.0%	D		4	- 15V	5.0A	4.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140F	1	+ 5V	15.0A	ADJ.	0.5%	A	SDM 200F	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	4.0%	3.0%	C		2	+ 15V	1.0A	4.0%	1.0%	C
	3	+ 15V (ISO)	1.0A	3.0%	3.0%	D, E		3	+ 12V (ISO)	5.0A (8.0A PK)	3.0%	3.0%	D, E
	4	- 15V	1.0A	4.0%	1.0%	C		4	- 15V	1.0A	4.0%	1.0%	C
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C
SDM 140G	1	+ 5V	15.0A	ADJ.	0.5%	A	SDM 200G	1	+ 5V	20.0A	ADJ.	0.5%	A
	2	+ 12V	3.0A (5.0A PK)	3.0%	3.0%	D		2	+ 12V	5.0A (8.0A PK)	3.0%	3.0%	D
	3	+ 24V (ISO)	2.5A (4.0A PK)	5.0%	3.0%	D, E		3	+ 24V (ISO)	4.0A (6.0A PK)	5.0%	3.0%	D, E
	4	- 12V	3.0A	3.0%	3.0%	D		4	- 12V	5.0A	3.0%	3.0%	D
	5	- 5V	0.6A	4.0%	1.0%	C		5	- 5V	0.6A	4.0%	1.0%	C

NOTES:

- Fully regulated output. Voltage adjustable from 4.5V to OVP trip point. Initial setting of + 5.0V is $\pm 1.0\%$.
- Dual-sensed regulated output. +5V and +12V outputs are sensed in combination to provide tighter regulation of the +12V output. An additional cross regulation factor of $\pm 2.0\%$ must be added in those applications where the main +5V output varies $\pm 25\%$. Initial setting of +5V output is $\pm 1.0\%$. A 20% minimum load is required on the 12V output.
- Fully regulated output utilizing fixed, 3-terminal regulator.
- Quasi-regulated output requires 20% minimum load to meet regulation specs. An additional cross-regulation factor of $\pm 3\%$ must be added in those applications where the main +5V output varies $\pm 25\%$.
- Fully isolated output. May be connected in series with any output for (-) or (+) output. May be paralleled when same output voltage and reg type. (Quasi-reg and 3-pin outputs will not share loads if connected together.)
- The total current for the +5V and +12V outputs must not exceed 10A (14A PK).
- The total current for the +5V and +12V outputs must not exceed 13A (17A PK).
- The total current for the +5V and +12V outputs must not exceed 15A (20A PK).
- The total current for the +5V and +12V outputs must not exceed 20A (28A PK).

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45 WATTS (58W PK); SIZE: 3.94 X 6.30 X 1.83"

Model	Voltage	Nominal Current	Peak Current
SDS45-5	5V	9.0A	11.3A
SDS45-12	12V	3.8A	4.8A
SDS45-15	15V	3.0A	3.8A
SDS45-24	24V	1.9A	2.4A

140 WATTS (175W PK); SIZE: 4.75 X 10.3 X 2.20

Model	Voltage	Nominal Current	Peak Current
SDS140-5	5V	28.0A	35.0A
SDS140-12	12V	11.7A	14.6A
SDS140-15	15V	9.4A	11.8A
SDS140-24	24V	5.9A	7.4A

80 WATTS (100W PK); SIZE: 4.25 X 7.75 X 1.90

SDS80-5	5V	16.0A	20.0A
SDS80-12	12V	6.7A	8.4A
SDS80-15	15V	5.3A	6.6A
SDS80-24	24V	3.4A	4.3A

200 WATTS (250W PK); SIZE: 4.75 X 12.8 X 2.45

SDS200-5	5V	40.0A	50.0A
SDS200-12	12V	16.7A	20.9A
SDS200-15	15V	13.4A	16.8A
SDS200-24	24V	8.4A	10.5A

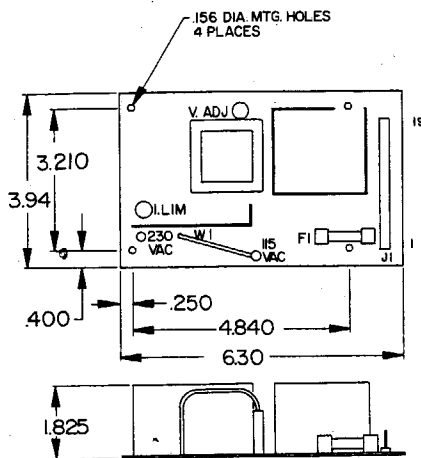
110 WATTS (138W PK); SIZE: 4.75 X 8.80 X 1.90

SDS110-5	5V	22.0A	27.5A
SDS110-12	12V	9.2A	11.5A
SDS110-15	15V	7.3A	9.1A
SDS110-24	24V	4.6A	5.8A

Other voltages are available from the factory on special order.

SDM/SDS SWITCHERS

SDM45/SDS45 (WT. 1.1 LBS.)



INPUT: J1

90-132/180-264 VAC 47-63Hz

FOR 90-132 VAC INPUT CONNECT W1 TO TERMINAL 115 VAC FUSE F1 AT 2.0A

FOR 180-264 VAC INPUT CONNECT W1 TO TERMINAL 230 VAC FUSE F1 AT 1.0A

PIN 1) AC GND

J1: CONNECTOR — AMP

PIN 2) KEY

P.C.B. HEADER P/N 1-87160

PIN 3) AC LINE

PIN 4) KEY

PIN 5) AC NEUTRAL

PIN 6) KEY

SDM45

OUTPUT: J1

PIN 7) KEY

PIN 8) OUTPUT #3 (-)

PIN 9) N/C

PIN 10) N/C

PIN 11) COMMON

PIN 12) COMMON

PIN 13) COMMON

PIN 14) OUTPUT #1 (+)

PIN 15) OUTPUT #1 (+)

PIN 16) OUTPUT #1 (+)

PIN 17) N/C

PIN 18) OUTPUT #2 (+)

PIN 19) N/C

SDS45

OUTPUT: J1

PIN 7) KEY

PIN 8) N/C

PIN 9) N/C

PIN 10) SENSE

PIN 11) - OUTPUT

PIN 12) - OUTPUT

PIN 13) - OUTPUT

PIN 14) + OUTPUT

PIN 15) + OUTPUT

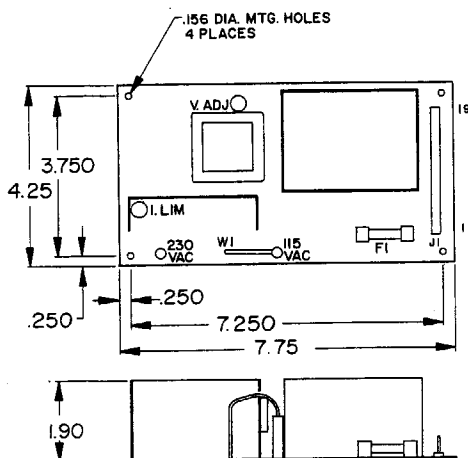
PIN 16) + OUTPUT

PIN 17) + SENSE

PIN 18) N/C

PIN 19) N/C

SDM80/SDS80 (WT. 1.5 LBS.)



INPUT: J1

90-132/180-264 VAC 47-63Hz

FOR 90-132 VAC INPUT CONNECT W1 TO TERMINAL 115 VAC FUSE F1 AT 3.0A

FOR 180-264 VAC INPUT CONNECT W1 TO TERMINAL 230 VAC FUSE F1 AT 1.5A

PIN 1) AC GND

J1: CONNECTOR — AMP

PIN 2) KEY

P.C.B. HEADER P/N 1-87160

PIN 3) AC LINE

PIN 4) KEY

PIN 5) AC NEUTRAL

PIN 6) KEY

SDM80

OUTPUT: J1

PIN 7) KEY

PIN 8) OUTPUT #3 (-)

PIN 9) OUTPUT #4 (-)

PIN 10) N/C

PIN 11) COMMON

PIN 12) COMMON

PIN 13) COMMON

PIN 14) OUTPUT #1 (+)

PIN 15) OUTPUT #1 (+)

PIN 16) OUTPUT #1 (+)

PIN 17) N/C

PIN 18) OUTPUT #2 (+)

PIN 19) N/C

SDS80

OUTPUT: J1

PIN 7) KEY

PIN 8) N/C

PIN 9) N/C

PIN 10) SENSE

PIN 11) - OUTPUT

PIN 12) - OUTPUT

PIN 13) - OUTPUT

PIN 14) + OUTPUT

PIN 15) + OUTPUT

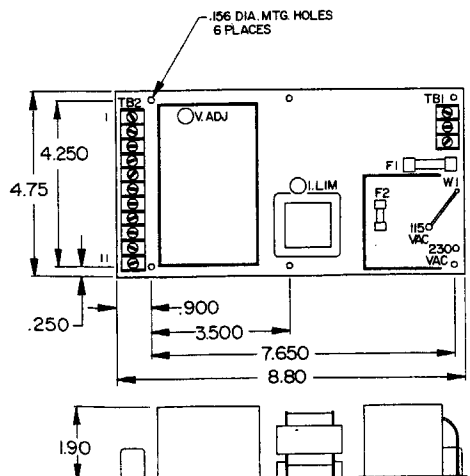
PIN 16) + OUTPUT

PIN 17) + SENSE

PIN 18) N/C

PIN 19) N/C

SDM110/SDS110 (WT. 1.9 LBS.)



INPUT: TB1

90-132/180-264 VAC 47-63Hz

FOR 90-132 VAC INPUT CONNECT W1 TO TERMINAL 115 VAC FUSE F1 AT 3.0A

FOR 180-264 VAC INPUT CONNECT W1 TO TERMINAL 230 VAC FUSE F1 AT 1.5A

TB1, 2: TERMINAL BLOCK — 0.375 CENTERS 6-32 SCREWS

PIN 1) AC LINE

PIN 2) AC NEUTRAL

PIN 3) AC GND

SDM110

OUTPUT: TB2

PIN 1) N/C

PIN 2) N/C

PIN 3) OUTPUT #3 (+)

PIN 4) OUTPUT #3 (RTN)

PIN 5) OUTPUT #2 (+)

PIN 6) OUTPUT #1 (+)

PIN 7) OUTPUT #1 (+)

PIN 8) COMMON

PIN 9) COMMON

PIN 10) OUTPUT #5 (-)

PIN 11) OUTPUT #4 (-)

SDS110

OUTPUT: TB2

PIN 1) N/C

PIN 2) N/C

PIN 3) N/C

PIN 4) + SENSE

PIN 5) + OUTPUT

PIN 6) + OUTPUT

PIN 7) + OUTPUT

PIN 8) - OUTPUT

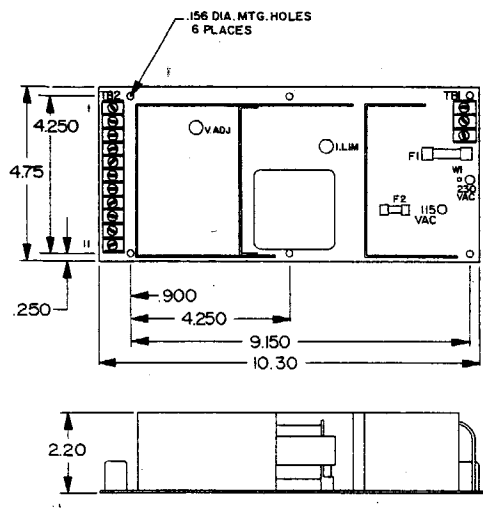
PIN 9) - OUTPUT

PIN 10) - OUTPUT

PIN 11) - SENSE

SDM/SDS SWITCHERS

SDM140/SDS140 (WT. 2.7 LBS.)



INPUT: TB1

90-132/180-264 VAC 47-63Hz

FOR 90-132 VAC INPUT CONNECT W1 TO TERMINAL
115 VAC FUSE F1 AT 5.0A

FOR 180-264 VAC INPUT CONNECT W1 TO TERMINAL
230 VAC FUSE F1 AT 2.5A

TB1, 2: TERMINAL BLOCK — 0.375 CENTERS

6-32 SCREWS

PIN 1) AC LINE

PIN 2) AC NEUTRAL

PIN 3) AC GND

SDM140

OUTPUT: TB2

PIN 1) LOGIC INPUT

PIN 2) POWER FAIL

PIN 3) OUTPUT #3 (+)

PIN 4) OUTPUT #3 (RTN)

PIN 5) OUTPUT #2 (+)

PIN 6) OUTPUT #1 (+)

PIN 7) OUTPUT #1 (+)

PIN 8) COMMON

PIN 9) COMMON

PIN 10) OUTPUT #5 (-)

PIN 11) OUTPUT #4 (-)

SDS140

OUTPUT: TB2

PIN 1) LOGIC INHIBIT

PIN 2) POWER FAIL

PIN 3) N/C

PIN 4) + SENSE

PIN 5) + OUTPUT

PIN 6) + OUTPUT

PIN 7) + OUTPUT

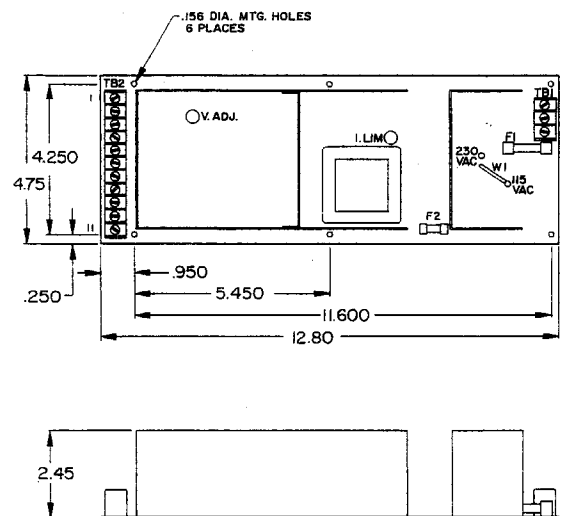
PIN 8) - OUTPUT

PIN 9) - OUTPUT

PIN 10) - OUTPUT

PIN 11) - SENSE

SDM200/SDS200 (WT. 3.3 LBS.)



INPUT: TB1

90-132/180-264 VAC 47-63Hz

FOR 90-132 VAC INPUT CONNECT W1 TO TERMINAL
115 VAC FUSE F1 AT 5.0A

FOR 180-264 VAC INPUT CONNECT W1 TO TERMINAL
230 VAC FUSE F1 AT 2.5A

TB1, 2: TERMINAL BLOCK — 0.375 CENTERS

6-32 SCREWS

PIN 1) AC LINE

PIN 2) AC NEUTRAL

PIN 3) AC GND

SDM200

OUTPUT: TB2

PIN 1) LOGIC INHIBIT

PIN 2) POWER FAIL

PIN 3) OUTPUT #3 (+)

PIN 4) OUTPUT #3 (RTN)

PIN 5) OUTPUT #2 (+)

PIN 6) OUTPUT #1 (+)

PIN 7) OUTPUT #1 (+)

PIN 8) COMMON

PIN 9) COMMON

PIN 10) OUTPUT #5 (-)

PIN 11) OUTPUT #4 (-)

SDS200

OUTPUT: TB2

PIN 1) LOGIC INHIBIT

PIN 2) POWER FAIL

PIN 3) N/C

PIN 4) + SENSE

PIN 5) + OUTPUT

PIN 6) + OUTPUT

PIN 7) + OUTPUT

PIN 8) - OUTPUT

PIN 9) - OUTPUT

PIN 10) - OUTPUT

PIN 11) - SENSE

OPTIONS:

1. Angle bracket chassis kits (chassis, standoffs, hardware and assembly drawing) are available for the SDM/SDS series to facilitate mounting at right angles to the power supply circuit board surface.

SDM45/SDS45 Series 08-30466-0045

SDM80/SDS80 Series 08-30466-0080

SDM110/SD110 Series 08-30466-0110

SDM140/SDS140 Series 08-30466-0140

SDM200/SDS200 Series 08-30466-0200

2. Connector kit (AMP connector with pins) for SDM45/SDS45 and SDM80/SDS80 units only.

Connector kit 18-30234-2019

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SL Power:](#)

[SDS140-24](#) [SDS80-5](#)