



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SCW03A SERIES

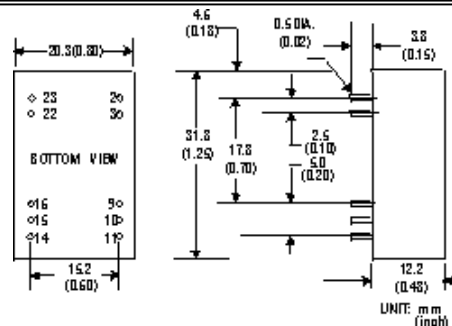
.2:1 WIDE INPUT RANGE
.REGULATED DC OUTPUT
.1000VDC I/O ISOLATION
.INPUT PI NETWORK FILTER
.INDUSTRY STANDARD PACKAGE

.SHORT CIRCUIT PROTECTION
.100% BURN-IN TEST
.HIGH RELIABILITY / LOW COST
.1 YEAR WARRANTY
.MTBF:350,000 HOURS



MODEL	SCW03A-05	SCW03A-12	SCW03A-15
SPECIFICATION			
DC OUTPUT VOLTAGE	5V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%		
OUTPUT RATED CURRENT	600mA	250mA	200mA
OUTPUT CURRENT RANGE	0-600mA	0-250mA	0-200mA
RIPPLE & NOISE	100mVp-p (max.)		
LINE REGULATION	± 0.5%		
LOAD REGULATION	± 1%		
DC OUTPUT POWER	3W		
EFFICIENCY	74%	80%	80%
SWITCHING FREQUENCY	25KHz min.		
INPUT VOLTAGE RANGE	9-18VDC		
INPUT CURRENT	338mA max.		
SHORT CIRCUIT PROTECTION	CONTINUOUS		
OVER VOLTAGE PROTECTION	-----		
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)		
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.		
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.		
ISOLATION CAPACITANCE	80pF max.		
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @71 °C		
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH		
DIMENSION	1.25"*0.8"*0.48"		
WEIGHT	15g		
CASE MATERIAL	FIVE-SIDED SHIELD METAL CASE		

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
2 & 3	-Vin
9	N.C.
10 & 15	N.C.
11	N.C.
14	+Vout
16	GROUND
22 & 23	+Vin

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

1999-09-20



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SCW03B SERIES

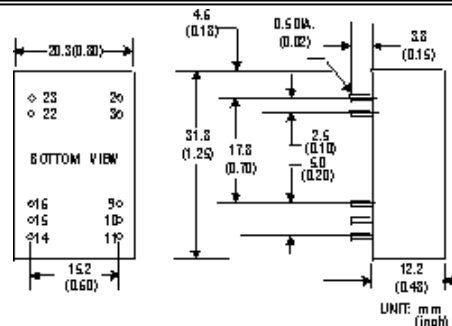
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.1000VDC I/O ISOLATION
.INPUT PI NETWORK FILTER
.INDUSTRY STANDARD PACKAGE

.SHORT CIRCUIT PROTECTION
.100% BURN-IN TEST
.HIGH RELIABILITY / LOW COST
.1 YEAR WARRANTY
.MTBF:350,000 HOURS



MODEL	SCW03B-05	SCW03B-12	SCW03B-15
SPECIFICATION			
DC OUTPUT VOLTAGE	5V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%		
OUTPUT RATED CURRENT	600mA	250mA	200mA
OUTPUT CURRENT RANGE	0-600mA	0-250mA	0-200mA
RIPPLE & NOISE	100mVp-p (max.)		
LINE REGULATION	± 0.5%		
LOAD REGULATION	± 1%		
DC OUTPUT POWER	3W		
EFFICIENCY	75%	80%	80%
SWITCHING FREQUENCY	25KHz min.		
INPUT VOLTAGE RANGE	18-36VDC		
INPUT CURRENT	167mA max.		
SHORT CIRCUIT PROTECTION	CONTINUOUS		
OVER VOLTAGE PROTECTION	-----		
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)		
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.		
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.		
ISOLATION CAPACITANCE	80pF max.		
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @71 °C		
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH		
DIMENSION	1.25"*0.8"*0.48"		
WEIGHT	15g		
CASE MATERIAL	FIVE-SIDED SHIELD METAL CASE		

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
2 & 3	-Vin
9	N.C.
10 & 15	N.C.
11	N.C.
14	+Vout
16	GROUND
22 & 23	+Vin

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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SCW03C SERIES

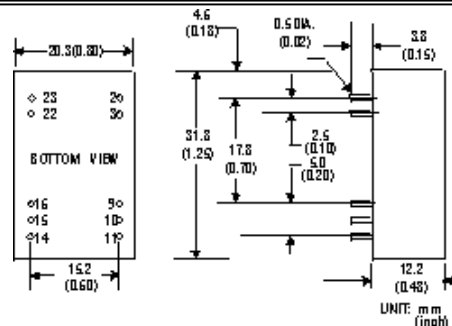
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MODEL	SCW03C-05	SCW03C-12	SCW03C-15
SPECIFICATION			
DC OUTPUT VOLTAGE	5V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%		
OUTPUT RATED CURRENT	600mA	250mA	200mA
OUTPUT CURRENT RANGE	0-600mA	0-250mA	0-200mA
RIPPLE & NOISE	100mVp-p (max.)		
LINE REGULATION	± 0.5%		
LOAD REGULATION	± 1%		
DC OUTPUT POWER	3W		
EFFICIENCY	76%	82%	82%
SWITCHING FREQUENCY	25KHz min.		
INPUT VOLTAGE RANGE	36-72VDC		
INPUT CURRENT	83mA max.		
SHORT CIRCUIT PROTECTION	CONTINUOUS		
OVER VOLTAGE PROTECTION	-----		
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)		
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.		
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.		
ISOLATION CAPACITANCE	80pF max.		
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @71 °C		
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH		
DIMENSION	1.25"*0.8"*0.48"		
WEIGHT	15g		
CASE MATERIAL	FIVE-SIDED SHIELD METAL CASE		

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
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