



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SCW03A SERIES

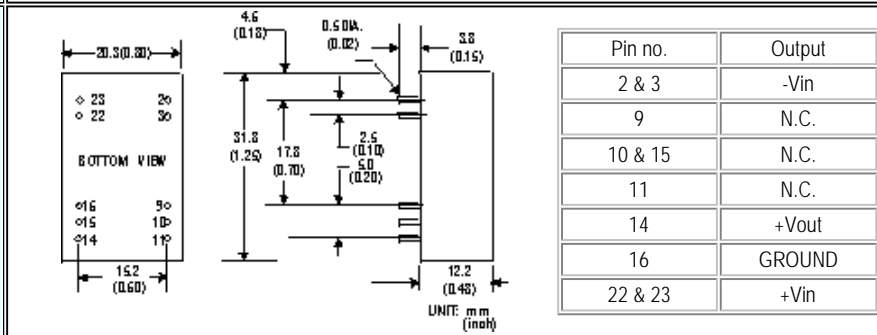
- .2:1 WIDE INPUT RANGE
- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .INPUT PI NETWORK FILTER
- .INDUSTRY STANDARD PACKAGE

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



SPECIFICATION	MODEL	SCW03A-05	SCW03A-12	SCW03A-15
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 METERIAL		FIVE-SIDED SHIELD METAL CASE		

MECHANISM AND PIN CONFIGURATION



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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SCW03B SERIES

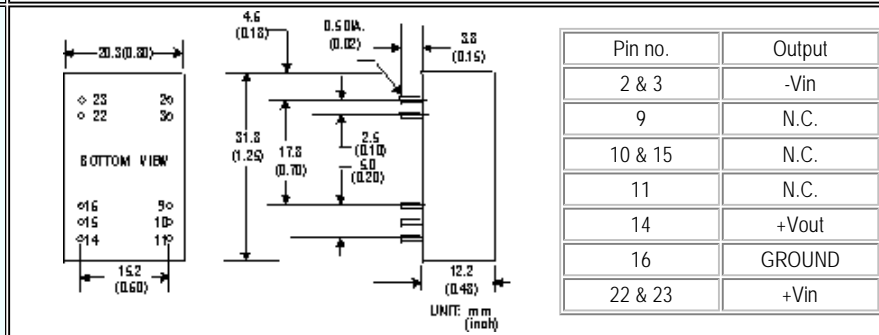
- .2:1 WIDE INPUT RANGE
- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .INPUT PI NETWORK FILTER
- .INDUSTRY STANDARD PACKAGE

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



SPECIFICATION	MODEL	SCW03B-05	SCW03B-12	SCW03B-15
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



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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SWITCHING POWER SUPPLY

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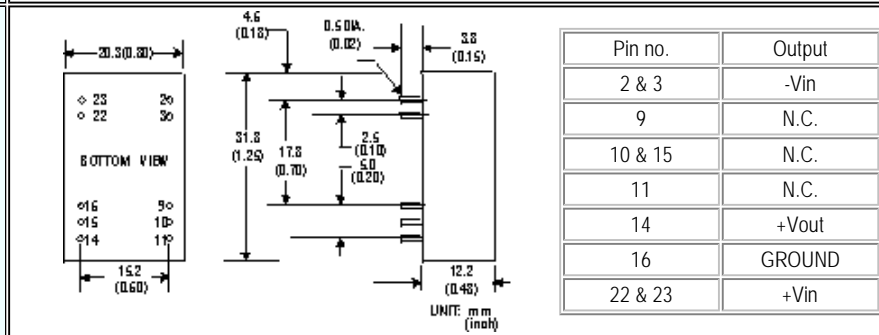
SCW03C SERIES

- .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



SPECIFICATION	MODEL	SCW03C-05	SCW03C-12	SCW03C-15
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



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