



# MEAN WELL

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

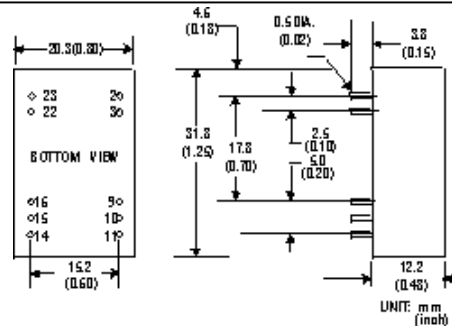
## SCW03A SERIES

- |                            |                              |
|----------------------------|------------------------------|
| .2:1 WIDE INPUT RANGE      | .SHORT CIRCUIT PROTECTION    |
| .REGULATED DC OUTPUT       | .100% BURN-IN TEST           |
| .1000VDC I/O ISOLATION     | .HIGH RELIABILITY / LOW COST |
| .INPUT PI NETWORK FILTER   | .1 YEAR WARRANTY             |
| .INDUSTRY STANDARD PACKAGE | .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



# MEAN WELL

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

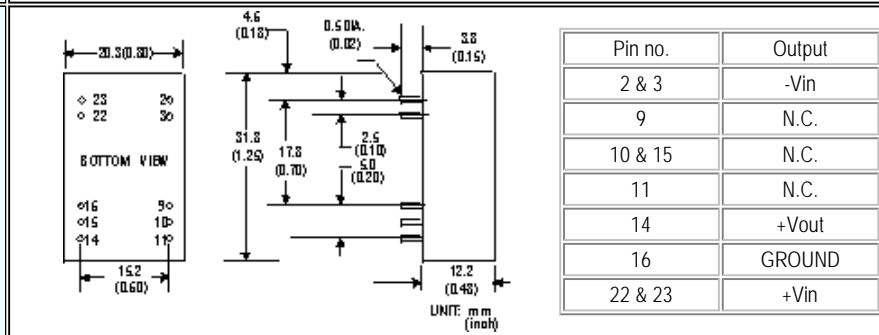
## SCW03B SERIES

- |                            |                              |
|----------------------------|------------------------------|
| .2:1 WIDE INPUT RANGE      | .SHORT CIRCUIT PROTECTION    |
| .REGULATED DC OUTPUT       | .100% BURN-IN TEST           |
| .1000VDC I/O ISOLATION     | .HIGH RELIABILITY / LOW COST |
| .INPUT PI NETWORK FILTER   | .1 YEAR WARRANTY             |
| .INDUSTRY STANDARD PACKAGE | .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.

1999-09-20



# MEAN WELL

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

## SCW03C SERIES

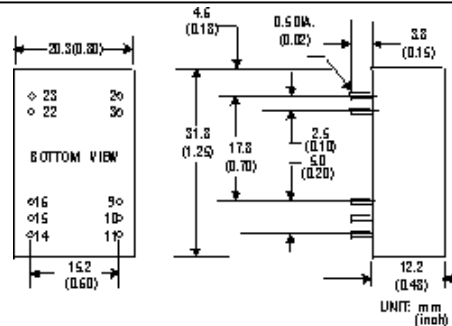
.2:1 WIDE INPUT RANGE  
.REGULATED DC OUTPUT  
.1000VDC I/O ISOLATION  
.INPUT PI NETWORK FILTER  
.INDUSTRY STANDARD PACKAGE

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



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
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