



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

DCW03 SERIES

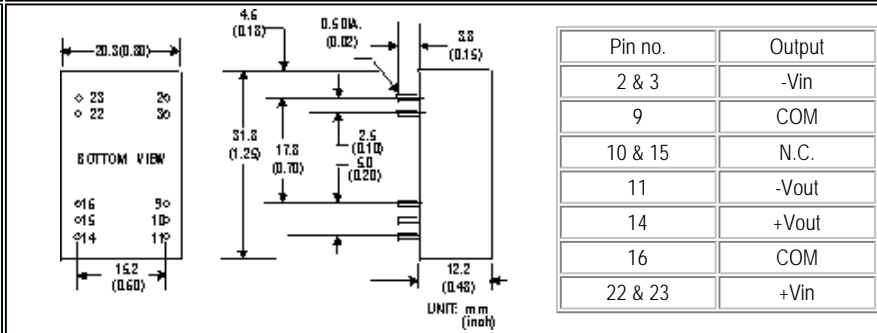
- .2:1 WIDE INPUT RANGE
- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .INPUT PI NETWORK FILTER
- .INDUSTRY STANDARD PACKAGE

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



SPECIFICATION	MODEL		DCW03A-12		DCW03A-15	
	DCW03A-05		DCW03A-12		DCW03A-15	
DC OUTPUT VOLTAGE	+5V	-5V	+12V	-12V	+15V	-15V
OUTPUT VOLTAGE ACCURACY	±2%					
OUTPUT RATED CURRENT	300mA	300mA	125mA	125mA	100mA	100mA
OUTPUT CURRENT RANGE	0-300mA	0-300mA	0-125mA	0-125mA	0-100mA	0-100mA
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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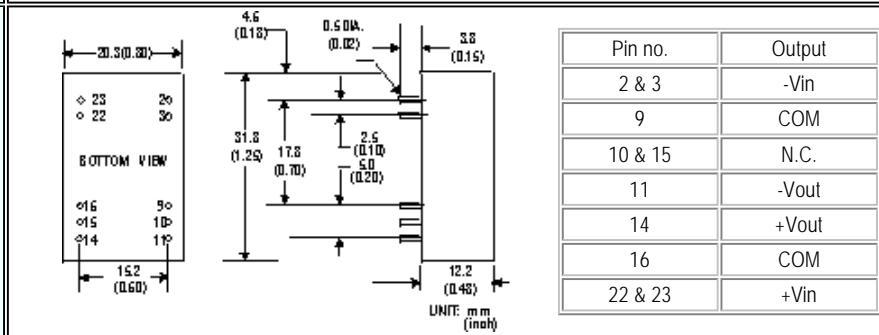
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SPECIFICATION	MODEL		DCW03B-05		DCW03B-12		DCW03B-15	
	DC OUTPUT VOLTAGE	+5V	-5V	+12V	-12V	+15V	-15V	
OUTPUT VOLTAGE ACCURACY	±2%							
OUTPUT RATED CURRENT	300mA	300mA	125mA	125mA	100mA	100mA		
OUTPUT CURRENT RANGE	0-300mA	0-300mA	0-125mA	0-125mA	0-100mA	0-100mA		
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.
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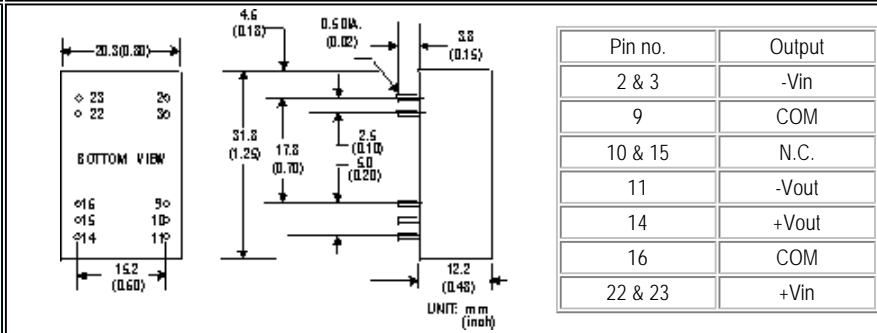
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	DC OUTPUT VOLTAGE	+5V	-5V	+12V	-12V	+15V	-15V	
OUTPUT VOLTAGE ACCURACY	±2%							
OUTPUT RATED CURRENT	300mA	300mA	125mA	125mA	100mA	100mA		
OUTPUT CURRENT RANGE	0-300mA	0-300mA	0-125mA	0-125mA	0-100mA	0-100mA		
RIPPLE & NOISE	100mVp-p (max.)							
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							

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