



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SMAU01M SERIES

- | | |
|------------------------------|----------------------------------|
| .UNREGULATED DC OUTPUT | .NO EXTERNAL COMPONENTS REQUIRED |
| .1000VDC I/O ISOLATION | .HIGH RELIABILITY / LOW COST |
| .INPUT FILTER:CAPACITOR TYPE | .100% BURN-IN TEST |
| .INTERNAL SMD TECHNOLOGY | .MTBF:700,000 HOURS |

ORDER NO.	SMAU01M-05	SMAU01M-09	SMAU01M-12	SMAU01M-15
SPECIFICATION				
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	200mA	110mA	84mA	67mA
OUTPUT CURRENT RANGE	0-200mA	0-110mA	0-84mA	0-67mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	±.2% FOR 1% INPUT VARIATION			
LOAD REGULATION	±6% @ 20%-FULL LOAD			
DC OUTPUT POWER	1W	1W	1W	1W
EFFICIENCY	78%	79%	82%	82%
SWITCHING FREQUENCY	100KHz min.			
INPUT VOLTAGE RANGE	12 ±10% (10.8-13.2VDC)			
INPUT CURRENT	107mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	-----			
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)			
ISOLATION VOLTAGE	I/P-O/P: 1 KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-25°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-40°C~+105°C, 10%~95% RH			
DIMENSION	6.50 "x4.00 "x0.27 "			
WEIGHT	1.7 g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION		<table border="1"> <thead> <tr> <th>Pin no.</th> <th>SINGLE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-Vin</td> </tr> <tr> <td>4</td> <td>+Vin</td> </tr> <tr> <td>5</td> <td>+Vout</td> </tr> <tr> <td>7</td> <td>-Vout</td> </tr> </tbody> </table>	Pin no.	SINGLE	1	-Vin	4	+Vin	5	+Vout	7	-Vout
	Pin no.	SINGLE										
1	-Vin											
4	+Vin											
5	+Vout											
7	-Vout											

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