



MEAN WELL

SWITCHING POWER SUPPLY

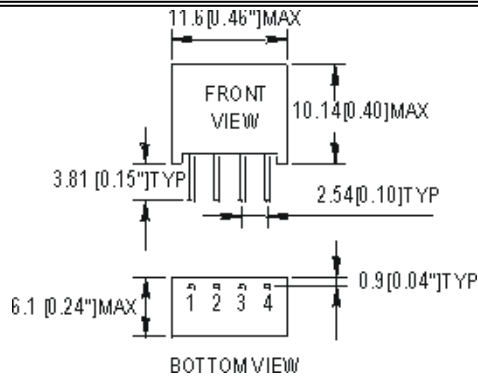
ISO-9001 CERTIFIED MANUFACTURER

SMU01L-A SERIES

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|------------------------------|----------------------------------|
| .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.	SMU01L-05A	SMU01L-09A	SMU01L-12A	SMU01L-15A
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	±1.2% FOR 1% INPUT VARIATION			
LOAD REGULATION	±8% @ 20%-FULL LOAD			
DC OUTPUT POWER	1W	1W	1W	1W
EFFICIENCY	73%	77%	79%	79%
SWITCHING FREQUENCY	100kHz min.			
INPUT VOLTAGE RANGE	5 ±10% (4.5-5.5VDC)			
INPUT CURRENT	274mA 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	0.46 **0.40 **0.24 "			
WEIGHT	1.3g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	SINGLE
1	-Vin
2	+Vin
3	-Vout
4	+Vout

- 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.