



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

DPU01M

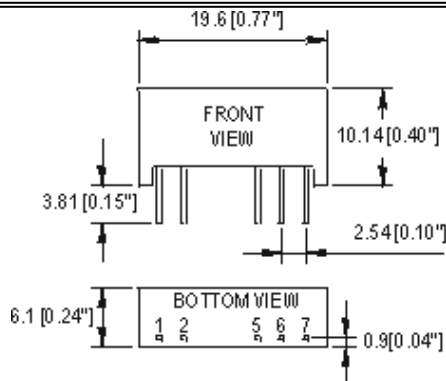
-B3

SERIES

- | | |
|------------------------------|----------------------------------|
| .UNREGULATED DC OUTPUT | .NO EXTERNAL COMPONENTS REQUIRED |
| .3000VDC I/O ISOLATION | .HIGH RELIABILITY / LOW COST |
| .INPUT FILTER:CAPACITOR TYPE | .100% BURN-IN TEST |
| .INTERNAL SMD TECHNOLOGY | .MTBF:700,000 HOURS |

ORDER NO.	DPU01M-05B3	DPU01M-12B3	DPU01M-15B3
SPECIFICATION			
DC OUTPUT VOLTAGE	5V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%		
OUTPUT RATED CURRENT	100mA	12mA	15mA
OUTPUT CURRENT RANGE	0-100mA	0-12mA	0-15mA
RIPPLE & NOISE	100mVp-p (max.)		
LINE REGULATION	±1.2% FOR 1% INPUT VARIATION		
LOAD REGULATION	±3% @ 20%-FULL LOAD		
DC OUTPUT POWER	1W	1W	1W
EFFICIENCY	74%	83%	83%
SWITCHING FREQUENCY	100KHz min.		
INPUT VOLTAGE RANGE	12 ±10% (10.8-13.2VDC)		
INPUT CURRENT	112mA max.		
SHORT CIRCUIT PROTECTION	MOMENTARY		
OVER VOLTAGE PROTECTION	-----		
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)		
ISOLATION VOLTAGE	I/P-O/P:3 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	0.77" * 0.40" * 0.24"		
WEIGHT	2.1g		
CASE METERIAL	NON-CONDUCTIVE PLASTIC		

MECHANISM AND PIN CONFIGURATION



Pin no.	DUAL
1	+Vin
2	-Vin
5	-Vout
6	COMMON
7	+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.

2003-03-25