



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

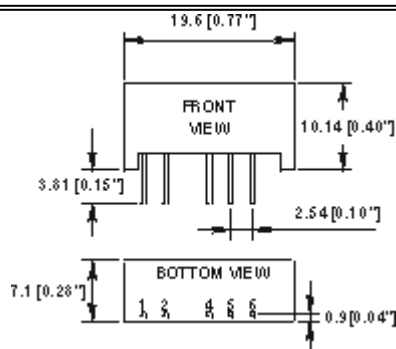
DPU02M SERIES

.UNREGULATED DC OUTPUT
.1000VDC I/O ISOLATION
.INPUT FILTER:CAPACITOR TYPE
.INTERNAL SMD TECHNOLOGY

.NO EXTERNAL COMPONENTS REQUIRED
.HIGH RELIABILITY / LOW COST
.100% BURN-IN TEST
.MTBF:700,000 HOURS

ORDER NO.	DPU02M-05	DPU02M-12	DPU02M-15
SPECIFICATION			
DC OUTPUT VOLTAGE	±5V	±2V	±5V
OUTPUT VOLTAGE ACCURACY	±2%		
OUTPUT RATED CURRENT	±200mA	±84mA	±7mA
OUTPUT CURRENT RANGE	0- ±200mA	0- ±84mA	0- ±7mA
RIPPLE & NOISE	100mVp-p (max.)		
LINE REGULATION	±1.2% FOR 1% INPUT VARIATION		
LOAD REGULATION	±8% @ 20%~FULL LOAD		
DC OUTPUT POWER	2W	2W	2W
EFFICIENCY	78%	83%	85%
SWITCHING FREQUENCY	100KHz min.		
INPUT VOLTAGE RANGE	12 ±10% (10.8~13.2VDC)		
INPUT CURRENT	214mA 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	0.77 "×0.40 "×0.28 "		
WEIGHT	2.3g		
CASE MATERIAL	NON-CONDUCTIVE PLASTIC		

MECHANISM AND PIN CONFIGURATION



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

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