



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

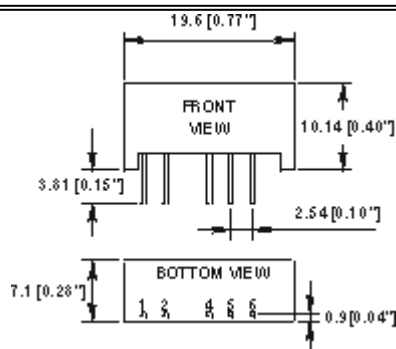
DPU02M SERIES

.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 METERIAL | 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.

2003-03-25