



MEAN WELL

SWITCHING POWER SUPPLY

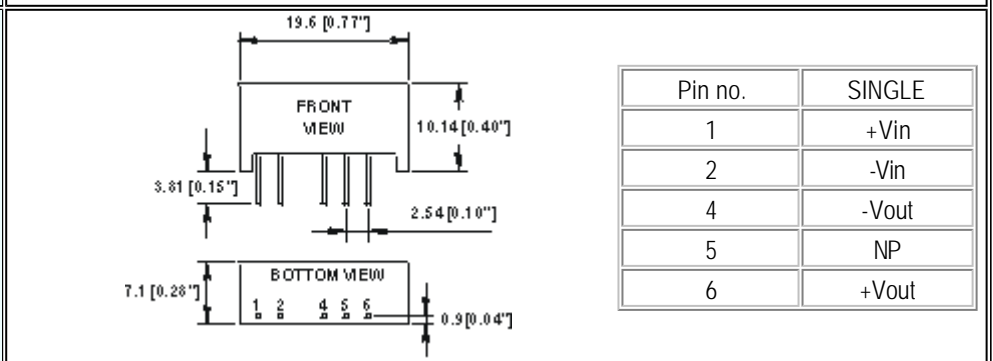
ISO-9001 CERTIFIED MANUFACTURER

SPU02N 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. | SPU02N-05 | SPU02N-09 | SPU02N-12 | SPU02N-15 |
|--------------------------|--|-----------|-----------|-----------|
| SPECIFICATION | | | | |
| DC OUTPUT VOLTAGE | 5V | 9V | 12V | 15V |
| OUTPUT VOLTAGE ACCURACY | ±2% | | | |
| OUTPUT RATED CURRENT | 400mA | 222mA | 167mA | 133mA |
| OUTPUT CURRENT RANGE | 0-400mA | 0-222mA | 0-167mA | 0-133mA |
| 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 | 2W |
| EFFICIENCY | 78% | 78% | 81% | 83% |
| SWITCHING FREQUENCY | 100KHz min. | | | |
| INPUT VOLTAGE RANGE | 24 ±10% (21.6-26.4VDC) | | | |
| 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 | 0.77 ""0.40 ""0.28 "" | | | |
| WEIGHT | 2.3g | | | |
| CASE METERIAL | NON-CONDUCTIVE PLASTIC | | | |

MECHANISM AND PIN CONFIGURATION



- 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.