



# MEAN WELL

## SWITCHING POWER SUPPLY

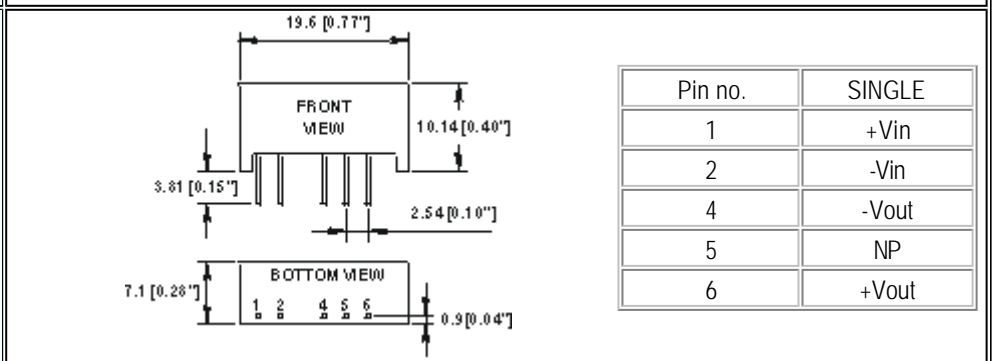
ISO-9001 CERTIFIED MANUFACTURER

# SPU02M 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.	SPU02M-05	SPU02M-09	SPU02M-12	SPU02M-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%	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	2.3 g			
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.