

Features :

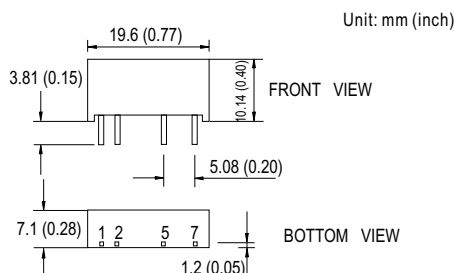
- 3000VDC I/O isolation
- Internal SMD technology
- Input filter: Capacitor type
- Protection: Short circuit
- Non-conductive plastic case
- Single in line package
- 100% full load burn-in test
- Low cost / High reliability



SPECIFICATION

ORDER NO.		SPU02L-05	SPU02M-05	SPU02N-05	SPU02L-12	SPU02M-12	SPU02N-12	SPU02L-15	SPU02M-15	SPU02N-15
OUTPUT	DC OUTPUT VOLTAGE	5V			12V			15V		
	CURRENT RANGE	0 ~ 400mA			0 ~ 167mA			0 ~ 133mA		
	EFFICIENCY (Typ.)	77%	78%	78%	80%	81%	81%	82%	83%	83%
	RATED POWER	2W								
	RIPPLE & NOISE (max.) Note.2	100mVp-p								
	LINE REGULATION Note.3	±1.2% for 1% input variation								
	LOAD REGULATION Note.4	±8.0%								
	VOLTAGE ACCURACY	±2.0%								
	SWITCHING FREQUENCY	100KHz min.								
INPUT	VOLTAGE RANGE	4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V	4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V	4.5 ~ 5.5V	10.8 ~ 13.2V	21.6 ~ 26.4V
	NORMAL VOLTAGE	5V	12V	24V	5V	12V	24V	5V	12V	24V
	INPUT CURRENT	Full load	520mA	214mA	107mA	520mA	214mA	107mA	520mA	214mA
		No load	45mA	20mA	15mA	45mA	20mA	15mA	45mA	20mA
	FILTER	Capacitor type								
PROTECTION	OVERLOAD	Momentary								
		Protection type : Broken								
	SHORT CIRCUIT	Momentary								
		Protection type : Broken								
ENVIRONMENT	WORKING TEMP.	-25 ~ +71°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20% ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-25 ~ +105°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P:3KVDC								
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
	ISOLATION CAPACITANCE	80pF max.								
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class B								
	EMS IMMUNITY	Compliance to EN61000-2,3,4,5,6,8, light industry level, criteria A								
OTHERS	MTBF	700khrs min. MIL-HDBK-217F(25°C)								
	DIMENSION	19.6*7.1*10.2mm or 0.77**0.28**0.40" inch (L*W*H)								
	WEIGHT	2.3g								

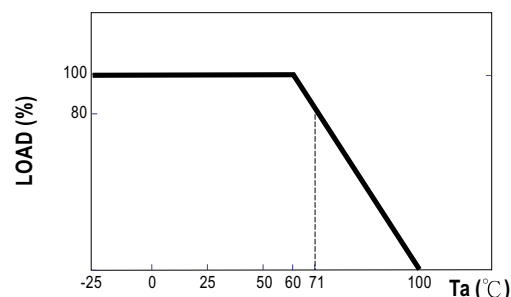
Mechanical Specification



Pin Configuration

Pin No.	Output
1	+Vin
2	-Vin
5	-Vout
7	+Vout

Derating Curve



NOTE

1. All parameters are specified at normal 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 10% to 100% rated load.