



#### Features :

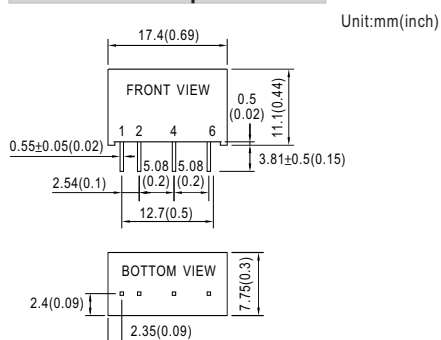
- Single in line package
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in EMI filter without external components
- Protections: Short circuit / Overload
- Cooling by free air convection
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty



#### SPECIFICATION

ORDER NO.		SPA01A-05	SPA01B-05	SPA01C-05	SPA01A-12	SPA01B-12	SPA01C-12	SPA01A-15	SPA01B-15	SPA01C-15	
OUTPUT	DC VOLTAGE		5V			12V			15V		
	CURRENT RANGE		20 ~ 200mA			8 ~ 83mA			6 ~ 67mA		
	RATED POWER		1W								
	RIPPLE & NOISE (max.) Note.2		60mVp-p			80mVp-p			80mVp-p		
	LINE REGULATION      Note.3		±0.5%								
	LOAD REGULATION      Note.4		±0.5%								
	VOLTAGE ACCURACY		±2.0%								
SWITCHING FREQUENCY		100KHz min.									
INPUT	VOLTAGE RANGE		A: 9 ~ 18VDC    B: 18 ~ 36VDC    C: 36 ~ 75VDC								
	EFFICIENCY (Typ.)		77%	77%	77%	78%	78%	78%	79%	79%	79%
	DC CURRENT	Full load	A: 110mA    B: 55mA    C: 27mA								
		No load	A: 20mA    B: 10mA    C: 7mA								
	FILTER		Capacitor Type								
PROTECTION		Fuse recommended									
PROTECTION (Note. 5)	OVERLOAD		130 ~ 200% rated output power Protection type : Recovers automatically after fault condition is removed								
	SHORT CIRCUIT		All output equipped with short circuit Protection type : Recovers automatically after fault condition is removed								
ENVIRONMENT	WORKING TEMP.		-40 ~ +90℃ (Refer to "Derating Curve")								
	WORKING HUMIDITY		20% ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY		-40 ~ +105℃, 10 ~ 95% RH								
	TEMP. COEFFICIENT		±0.05% / °C (0 ~ 50℃)								
	VIBRATION		10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes								
SAFETY	SAFETY STANDARDS		EAC TP TC 004 approved								
	WITHSTAND VOLTAGE		I/P-O/P: 1.5KVDC								
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH								
	ISOLATION CAPACITANCE		80pF max.								
	EMC EMISSION		Compliance to EN55032 Class B, FCC part 15 Class B, EAC TP TC 020								
OTHERS	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8 light industry level, criteria A, EAC TP TC 020								
	MTBF		500Khrs min. MIL-HDBK-217F(25℃)								
	DIMENSION		17.4*7.75*11.1mm or 0.69**0.30**0.44" inch (L*W*H)								
WEIGHT		3g									

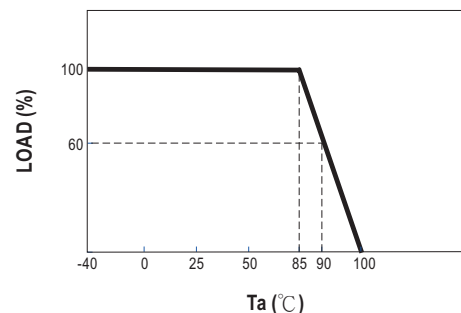
#### Mechanical Specification



#### Pin Configuration

Pin No.	Output
1	-Vin
2	+Vin
4	+Vout
6	-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.
  - 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>