

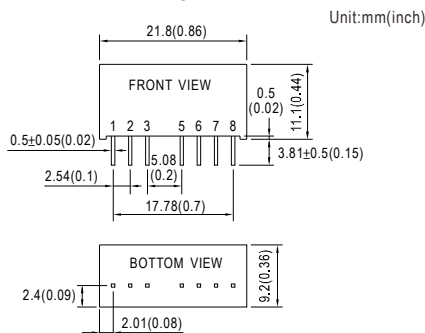
- Features :
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Single in line package
- 100% full load burn-in test
- Low cost / High reliability
- Modified models available: output 3.3V/9V
- 2 years warranty



SPECIFICATION

ORDER NO.	SPB05A-05	SPB05B-05	SPB05C-05	SPB05A-12	SPB05B-12	SPB05C-12	SPB05A-15	SPB05B-15	SPB05C-15	
OUTPUT	DC VOLTAGE			5V			12V			15V
	CURRENT RANGE			100 ~ 1000mA			42 ~ 417mA			33 ~ 333mA
	RATED POWER			5W						
	RIPPLE & NOISE (max.) Note.2			80mVp-p			90mVp-p			90mVp-p
	LINE REGULATION Note.3			±0.5%						
	LOAD REGULATION Note.4			±0.5%						
	VOLTAGE ACCURACY			±2.0%						
	SWITCHING FREQUENCY			100KHz min.						
EXTERNAL CAPACITANCE LOAD (max.)			220uF							
INPUT	VOLTAGE RANGE			A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC						
	EFFICIENCY (Typ.)			81%	83%	83%	85%	85%	85%	84%
	DC CURRENT			Full load A: 515mA B: 250mA C: 125mA						
				No load A: 40mA B: 25mA C: 15mA						
	FILTER			Capacitor Type						
	REMOTE CONTROL			Power ON : R.C. ~ -Vin < 1VDC or open ; Power OFF : R.C. ~ -Vin > 4VDC or short						
PROTECTION (Note. 5)	OVERLOAD			150 ~ 250% 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 ~ +80°C (Refer to "Derating Curve")						
	WORKING HUMIDITY			20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY			-55 ~ +105°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT			±0.05% / °C (0 ~ 55°C)						
	VIBRATION			10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes						
SAFETY	WITHSTAND VOLTAGE			I/P-O/P: 1.5KVDC						
	ISOLATION RESISTANCE			I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH						
	ISOLATION CAPACITANCE			80pF max.						
	EMC EMISSION			Compliance to EN55022 Class B, FCC part 15 Class B						
EMC IMMUNITY			Compliance to EN61000-4-2,3,4,5,6,8 light industry level, criteria A							
OTHERS	MTBF			600Khrs min. MIL-HDBK-217F(25°C)						
	DIMENSION			21.8*9.2*11.1mm or 0.86**0.36**0.44" inch (L*W*H)						
	WEIGHT			4.8g						

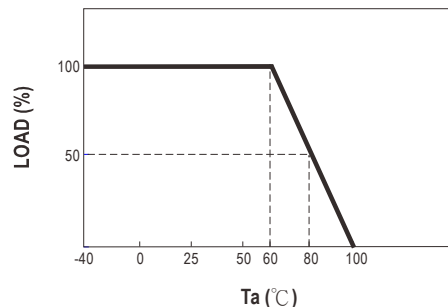
■ Mechanical Specification



■ Pin Configuration

Pin No.	Output
1	-Vin
2	+Vin
3	R.C.
5	N.C.
6	+Vout
7	-Vout
8	N.C.

■ 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.