



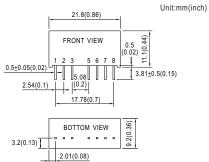
Features :

- 2:1 wide input range
- 4:1 wide input range (Option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation (Option)
- 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

FC CE

ORDER NO		SDA02E-05	SDA02A-05	SDA02B-05	SDA02C-05	SDA02E-12	SDA02A-12	SDA02R-12	SDA02C-12	SDA02E-15	SDA02A-15	SDA02R-1	5 SPA02C-15
OKDEK NO	DC VOLTAGE		31 A02A-03	31 A02D-03	31 A020-03	-	31 A02A-12	31 A02D-12	31 A020-12		31 A02A-13	31 A02D-1	3 31 A020-13
OUTPUT		5V							15V				
	CURRENT RANGE	40 ~ 400mA			15~150mA 17~167mA			12~120mA 13~133mA					
	RATED POWER	2W							1.8W 2W				
	RIPPLE & NOISE (max.) Note.2					60mVp-p				60mVp-p			
		±0.5%											
			±0.5%										
	VOLTAGE ACCURACY	±2.0%											
	SWITCHING FREQUENCY	100KHz min.											
	VOLTAGE RANGE		E: 4.5 ~ 9VDC A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC							I			T
	EFFICIENCY (Typ.)	71%	76%		74%	74%	80%	80%	82%	76%	80%	80%	78%
	DC CURRENT	Full load											
		No load E: 50mA A: 25mA B: 15mA C: 8mA											
	FILTER	Capacitor Type											
	REMOTE CONTROL	Power ON: R.C. ~-Vin < 1VDC or open; Power OFF: R.C. ~-Vin > 4VDC or short											
	PROTECTION	Fuse recommended											
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 ~ +85°	-40 ~ +85°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20% ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +105°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	±0.05% / °C (0 ~ 50°C)											
	VIBRATION	10 ~ 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes											
SAFETY	WITHSTAND VOLTAGE	I/P-O/P:1KVDC											
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH											
	ISOLATION CAPACITANCE	80pF max.											
	EMC EMISSION	Compliance to EN55032 Class B, FCC part 15 Class B											
	EMC IMMUNITY	Complian	Compliance to EN61000-4-2,3,4,5,6,8 light industry level, criteria A										
OTHERS	MTBF	600Khrs m	600Khrs min. MIL-HDBK-217F(25℃)										
	DIMENSION	21.8*9.2*1	1.8*9.2*11.1mm or 0.86"*0.36"*0.44" inch (L*W*H)										
	WEIGHT	4.8g											

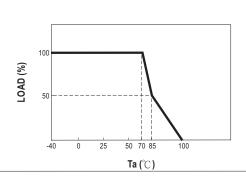
■ Mechanical Specification



■ Pin Configuration

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