



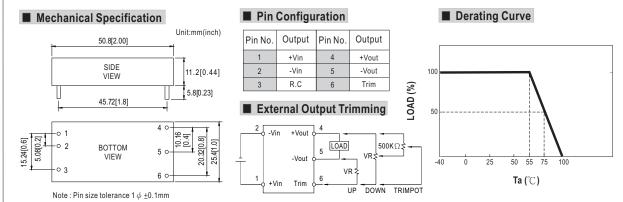
■ Features :

- 2"x1" compact size
- 2:1 wide input range
- High efficiency up to 90%
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in trimming output
- Comply with CE / FCC without external components
- Protections: Short circuit / Overload / Input and Output Over voltage
- Cooling by free air convection
- · Six-sided shield metal case
- 100% burn-in test
- · Low cost / High reliability
- Approvals: FCC / CE
- 2 years warranty

SPECIFICATION

FC (E

ORDER NO.		SKM30A-05	SKM30B-05	SKM30C-05	SKM30A-12	SKM30B-12	SKM30C-12	SKM30A-15	SKM30B-15	SKM30C-15	
	DC VOLTAGE		5V			12V			15V		
ОИТРИТ	CURRENT RANGE		0.6 ~ 6A			0.25 ~ 2.5A			0.2 ~ 2A		
	RATED POWER		30W								
	RIPPLE & NOISE (max.) Note.2		90mVp-p 120mVp-p 120mVp-p								
	LINE REGULATION Note.3		±0.2%								
	LOAD REGULATION Note.4		4 ±0.5%								
	VOLTAGE ACCURACY		±2.0%								
	SWITCHING FREQUENCY		300KHz typ.								
	EXTERNAL CAPACITANCE LOAD (max.)		1000uF			220uF			100uF		
	EXTERNAL TRIM Adj. RANGE(Typ.)		±10% -20 ~ +10% -20 ~ +10%								
	VOLTAGE RANGE		A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC								
INPUT	UNDER VOLTAGE SHUTDOWN		A: 8VDC B	16VDC C:	32VDC						
	EFFICIENCY (Typ.)		88%	88.5%	88%	89.5%	89%	89%	89.5%	90%	90%
	DC CURRENT	Full load	2840mA	1420mA	720mA	2810mA	1420mA	710mA	2800mA	1400mA	700mA
		No load	170mA	95mA	60mA	150mA	40mA	55mA	135mA	40mA	30mA
	FILTER		Pinetwork								
	REMOTE CONTROL		Power ON: R.C ~ -Vin > 2.5VDC or open circuit; Power OFF: R.C ~ -Vin < 0.5VDC or short								
	PROTECTION		Fuse recommended								
PROTECTION (Note. 5)			110% ~ 180% rated output power								
			Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	SHORT CIRCUIT		All output equipped with short circuit								
			Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE		A: >20 ~ 25VDC B: >40 ~ 50VDC C: >80 ~ 100VDC input voltage Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed								
		Output(Typ.)	5Vo : 7V ~ 8.95V ; 12Vo : 15V ~ 19.2V ; 15Vo : 18V ~ 23.3V Protection type : Clamp by TVS diode								
	WORKING TEMP.		-40 ~ +75°C (Refer to "Derating Curve")								
ENVIRONMENT	WORKING HUMIDITY		20% ~ 90% RH non-condensing								
	,		-55 ~ +125 °C, 10 ~ 95% RH								
	TEMP. COEFFICIENT		±0.03% / °C (0~50°C)								
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
WITHSTAND VOLTAGE		/P-0/P:1.5KVDC									
SAFETY & EMC	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION		Compliance to EN55032 Class A, FCC part 15 Class A without external components								
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A								
OTHERS	MTBF DIMENSION		700Khrs min. MIL-HDBK-217F(25°C)								
			50.8*25.4*11.2 mm or 2"*1"*0.44" inch (L*W*H)								
	WEIGHT		31.2g								



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 0.1 uf & 47 uf 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.