



### ■ Features :

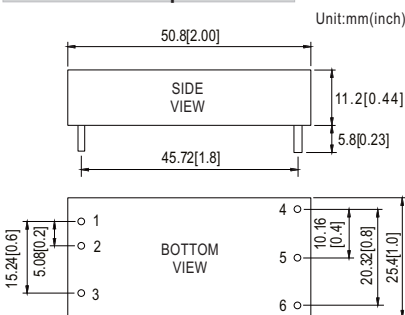
- 2"x1" compact size
- 2:1 wide input range
- High efficiency up to 90%
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in trimming output
- Comply with CE / FCC without external components
- Protections: Short circuit / Overload / Input and Output Over voltage
- Cooling by free air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



### SPECIFICATION

ORDER NO.	SKM30A-05	SKM30B-05	SKM30C-05	SKM30A-12	SKM30B-12	SKM30C-12	SKM30A-15	SKM30B-15	SKM30C-15		
OUTPUT	DC VOLTAGE			12V			15V				
	CURRENT RANGE			0.25 ~ 2.5A			0.2 ~ 2A				
	RATED POWER										
	RIPPLE & NOISE (max.) Note.2			120mVp-p			120mVp-p				
	LINE REGULATION Note.3										
	LOAD REGULATION Note.4										
	VOLTAGE ACCURACY										
	SWITCHING FREQUENCY										
	EXTERNAL CAPACITANCE LOAD (max.)			220uF			100uF				
EXTERNAL TRIM Adj. RANGE(Typ.)			-20 ~ +10%			-20 ~ +10%					
INPUT	VOLTAGE RANGE										
	UNDER VOLTAGE SHUTDOWN										
	EFFICIENCY (Typ.)										
	DC CURRENT	Full load		2840mA		1420mA		720mA		2810mA	
		No load		170mA		95mA		60mA		150mA	
	FILTER										
	REMOTE CONTROL										
PROTECTION											
PROTECTION (Note. 5)	OVER CURRENT										
	SHORT CIRCUIT										
	OVER VOLTAGE	Input(Typ.)		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							
ENVIRONMENT	WORKING TEMP.										
	WORKING HUMIDITY										
	STORAGE TEMP., HUMIDITY										
	TEMP. COEFFICIENT										
	VIBRATION										
SAFETY & EMC	WITHSTAND VOLTAGE										
	ISOLATION RESISTANCE										
	EMC EMISSION										
	EMC IMMUNITY										
OTHERS	MTBF										
	DIMENSION										
	WEIGHT										

### ■ Mechanical Specification

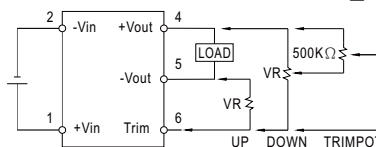


Note : Pin size tolerance 1  $\phi$   $\pm$ 0.1mm

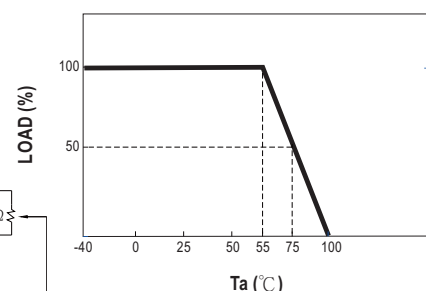
### ■ Pin Configuration

Pin No.	Output	Pin No.	Output
1	+Vin	4	+Vout
2	-Vin	5	-Vout
3	R.C	6	Trim

### ■ External Output Trimming



### ■ 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.