



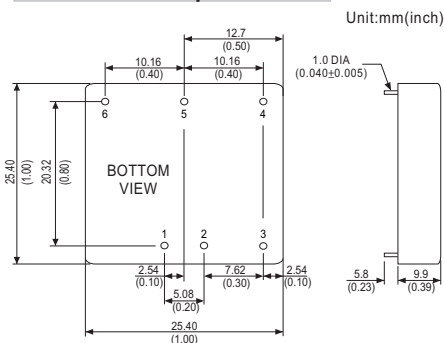
- Features :
 - 1"x1" compact size
 - 2:1 wide input range
 - High efficiency up to 88%
 - 1500VDC I/O isolation
 - Built-in remote ON/OFF control
 - Built-in trimming output(±10%)
 - Built-in EMI filter
 - Protections: Short circuit / Overload / Over voltage
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - Approvals: FCC / EAC / CE / UKCA
 - 2 years warranty



SPECIFICATION

ORDER NO.	SKM15A-05	SKM15B-05	SKM15C-05	SKM15A-12	SKM15B-12	SKM15C-12	SKM15A-15	SKM15B-15	SKM15C-15	
OUTPUT	DC VOLTAGE			12V			15V			
	CURRENT RANGE			300 ~ 3000mA			125 ~ 1250mA			
	RATED POWER			15W						
	RIPPLE & NOISE (max.) Note.2			50mVp-p			60mVp-p			
	LINE REGULATION Note.3			±0.5%						
	LOAD REGULATION Note.4			±0.5%						
	VOLTAGE ACCURACY			±2.0%						
	SWITCHING FREQUENCY			400KHz typ.						
	EXTERNAL CAPACITANCE LOAD (max.)			1000uF						
EXTERNAL TRIM Adj. RANGE(Typ.)			±10%							
INPUT	VOLTAGE RANGE A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 75VDC									
	EFFICIENCY (Typ.)									
	DC CURRENT	Full load	1500mA	750mA	380mA	1500mA	750mA	380mA	1500mA	750mA
		No load	80mA	55mA	35mA	35mA	25mA	15mA	35mA	25mA
	FILTER Pi network									
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)	OVER CURRENT 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 115% ~ 150% rated output voltage Protection type : Clamp by diode, 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 ~ +100°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									
SAFETY & EMC	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°C / 70% RH									
	EMC EMISSION Compliance to BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020									
OTHERS	EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020									
	MTBF 400Khrs min. MIL-HDBK-217F(25°C)									
	DIMENSION 25.4*25.4*9.9 mm or 1**1**0.39" inch (L*W*H)									
WEIGHT		15g								

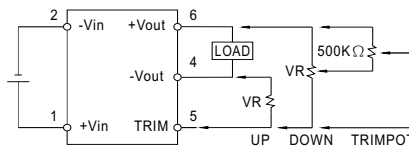
■ Mechanical Specification



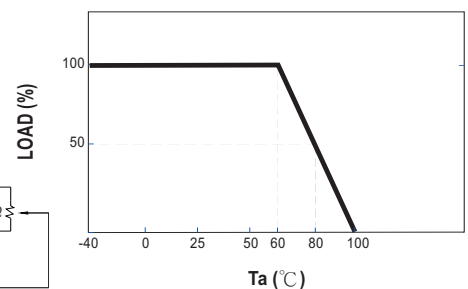
■ Pin Configuration

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

■ External Output Trimming



■ Derating Curve



NOTE

- All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
 - Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
 - Line regulation is measured from low line to high line at rated load.
 - Load regulation is measured from 10% to 100% rated load.
 - 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>