



- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - Approvals: FCC / CE
 - 2 years warranty

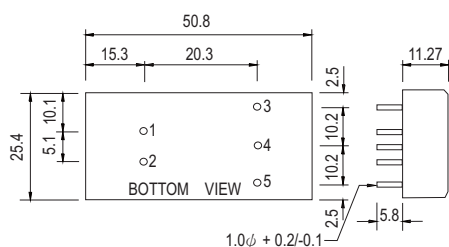


SPECIFICATION

ORDER NO.		DKE10A-05	DKE10B-05	DKE10C-05	DKE10A-12	DKE10B-12	DKE10C-12	DKE10A-15	DKE10B-15	DKE10C-15	DKE10A-24	DKE10B-24	DKE10C-24	
OUTPUT	DC VOLTAGE	±5V			±12V			±15V			±24V			
	CURRENT RANGE	±100 ~ ±1000mA			±42 ~ ±420mA			±33.3 ~ ±333mA			±21 ~ ±210mA			
	RATED POWER	10W												
	RIPPLE & NOISE (max.) Note.2	50mVp-p			60mVp-p			60mVp-p			80mVp-p			
	LINE REGULATION Note.3	±0.3%												
	LOAD REGULATION Note.4	±0.5%												
	VOLTAGE ACCURACY	±2.0%												
	SWITCHING FREQUENCY	250KHz min.												
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC												
	EFFICIENCY (Typ.)	78%	81%	82%	80%	80%	83%	80%	80%	82%	82%	81%	85%	
	DC CURRENT	Full load	A: 1100mA B: 530mA C: 270mA											
		No load	A: 30mA B: 16mA C: 8mA											
	FILTER	Pi network												
PROTECTION	Fuse recommended													
PROTECTION (Note. 5)	OVER CURRENT	160% ~ 250% 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												
ENVIRONMENT	WORKING TEMP.	-25 ~ +71℃ (Refer to "Derating Curve")												
	WORKING HUMIDITY	20% ~ 90% RH non-condensing												
	STORAGE TEMP., HUMIDITY	-25 ~ +105℃, 10 ~ 95% RH												
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 50℃)												
	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:1KVDC												
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH												
	EMC EMISSION	Compliance to EN55032 Class A, FCC part 15 Class A, EAC TP TC 020												
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020												
	MTBF	500Khrs min. MIL-HDBK-217F(25℃)												
	DIMENSION	50.8*25.4*11.2mm or 2**1**0.44" inch (L*W*H)												
	WEIGHT	32g												

Mechanical Specification

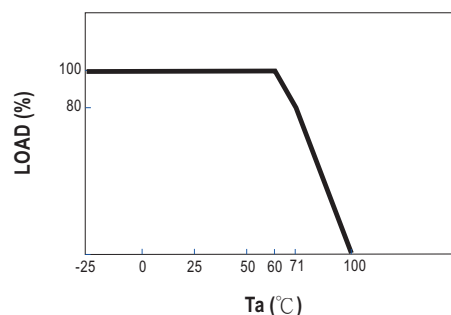
Unit: mm



Pin Configuration

Pin No.	Output
1	+Vin
2	-Vin
3	+Vout
4	COM
5	-Vout

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.