



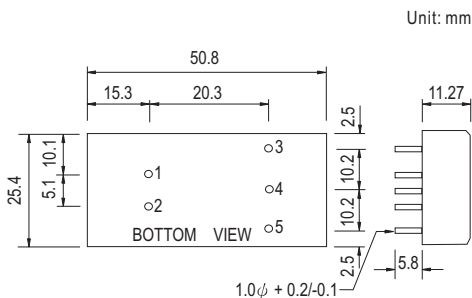
- Features :
  - 2:1 wide input range
  - 4:1 wide input range(option)
  - 1000VDC I/O isolation
  - 3000VDC I/O isolation(option)
  - Built-in EMI filter
  - Protections: Short circuit / Overload
  - Cooling by free air convection
  - Six-sided shield metal case
  - 100% burn-in test
  - Low cost / 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			±12V			±15V			±24V			
	CURRENT RANGE			±42 ~ ±420mA			±33.3 ~ ±333mA			±21 ~ ±210mA			
	RATED POWER												10W
	RIPPLE & NOISE (max.) Note.2			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°C (Refer to output load derating curve)
	WORKING HUMIDITY												20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY												-25 ~ +105°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	WITHSTAND VOLTAGE												I/P-O/P:1KVDC
	ISOLATION RESISTANCE												I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION												Compliance to EN55022 Class B, FCC part 15 Class B
	EMC IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A
OTHERS	MTBF												500Khrs min. MIL-HDBK-217F(25°C)
	DIMENSION												50.8*25.4*11.2mm or 2**1**0.44" inch (L*W*H)
	WEIGHT												32g

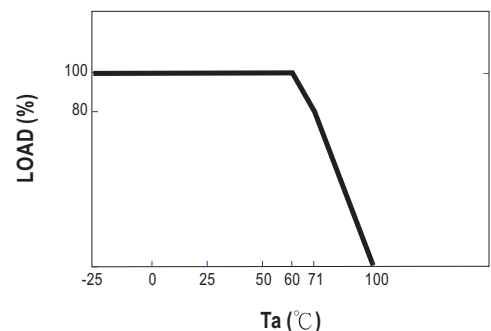
### Mechanical Specification



### 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.