



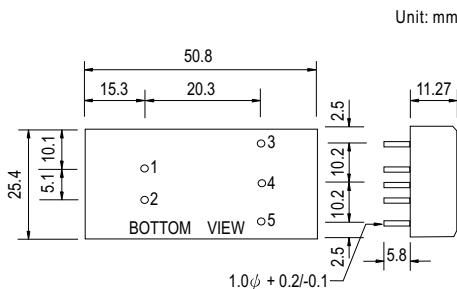
- Features :
- 2:1 wide input range
  - 4:1 wide input range(option)
  - 1000VDC I/O isolation
  - 3000VDC I/O isolation(option)
  - Built-in EMI filter
  - Protections: Short circuit / Overload
  - Cooling by free air convection
  - Six-sided shield metal case
  - 100% burn-in test
  - Low cost / High 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												
<b>OUTPUT</b>	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.																				
<b>INPUT</b>	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											
<b>PROTECTION (Note. 5)</b>	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											
<b>SAFETY &amp; EMC</b>	WITHSTAND VOLTAGE												I/P-O/P: 1KVDC											
	ISOLATION RESISTANCE												I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH											
	EMI CONDUCTION & RADIATION												Compliance to EN55022 Class B, FCC part 15 Class B											
	EMS IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A											
<b>OTHERS</b>	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											

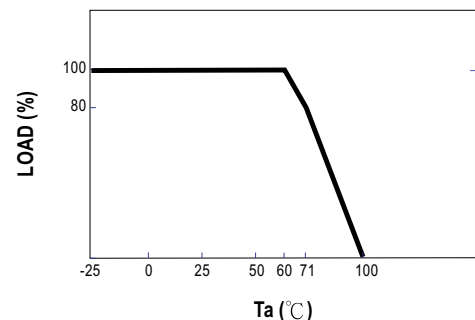
■ Mechanical Specification



■ 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.