



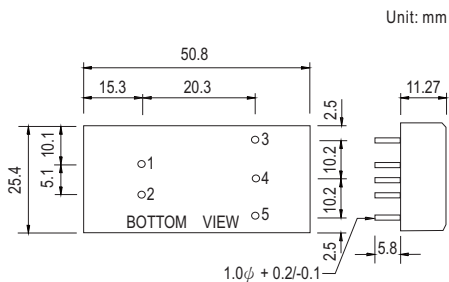
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: 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 "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	SAFETY STANDARDS		EAC TP TC 004 approved											
	WITHSTAND VOLTAGE		I/P-O/P:1KVDC											
	ISOLATION RESISTANCE		I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH											
	EMC EMISSION		Compliance to EN55032 Class A, FCC part 15 Class A, EAC TP TC 020											
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020											
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											

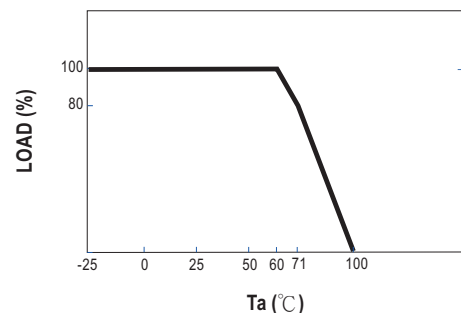
■ Mechanical Specification



■ 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.