



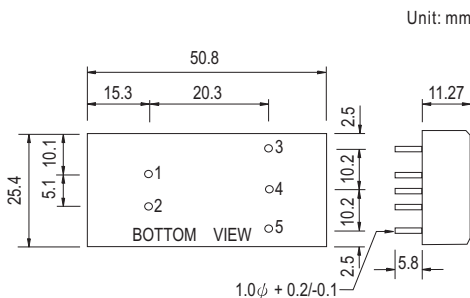
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: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

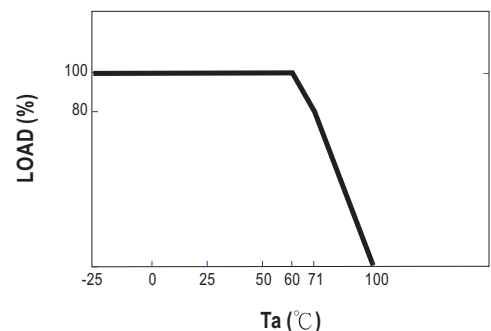
Mechanical Specification



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.