



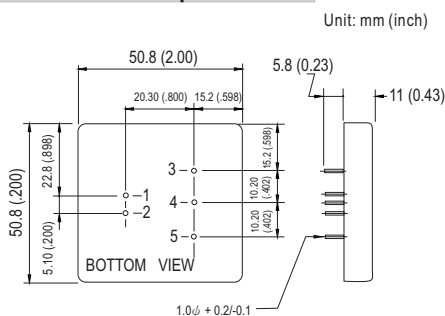
- Features :
- 2:1 wide input range
- 4:1 wide input range(optionl)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
-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



## SPECIFICATION

ORDER NO.	DKE15A-05	DKE15B-05	DKE15C-05	DKE15A-12	DKE15B-12	DKE15C-12	DKE15A-15	DKE15B-15	DKE15C-15	DKE15A-24	DKE15B-24	DKE15C-24			
OUTPUT	DC VOLTAGE			±5V			±12V			±15V			±24V		
	CURRENT RANGE			±150 ~ ±1500mA			±62.5 ~ ±625mA			±50 ~ ±500mA			±31.3 ~ ±313mA		
	RATED POWER			15W											
	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			150KHz min.											
INPUT	VOLTAGE RANGE			A: 9 ~ 18VDC B: 18~36VDC C: 36~72VDC											
	EFFICIENCY (Typ.)			81%	83%	79%	82%	83%	82%	82%	83%	82%	82%	84%	85%
	DC CURRENT			Full load A: 1700mA B: 800mA C: 400mA											
	No load			A: 40mA B: 20mA C: 10mA											
	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			300Khrs min. MIL-HDBK-217F (25°C)											
	DIMENSION			50.8*50.8*11.0mm or 2**2**0.43" inch (L*W*H)											
	WEIGHT			65g											

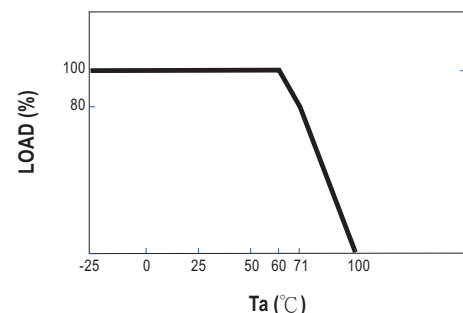
### Mechanical Specification



### 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.