



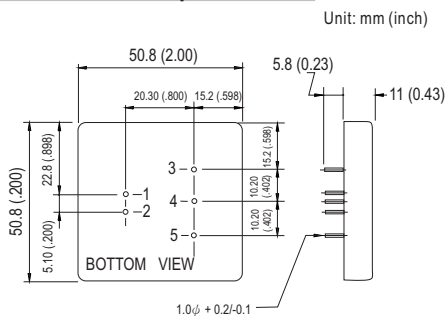
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(optionl)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - 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				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	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			
	EMC IMMUNITY												Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A			
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			

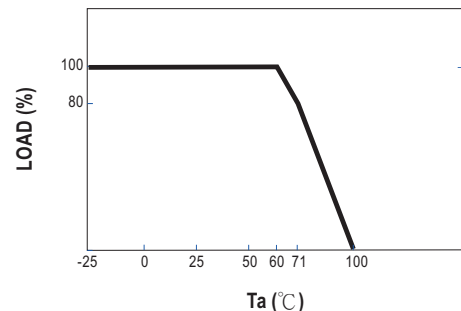
Mechanical Specification



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.