



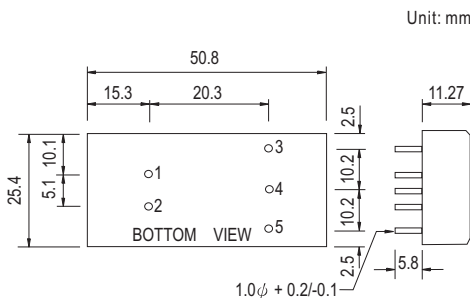
- Features :
- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: 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>	<b>DC VOLTAGE</b>			±5V			±12V			±15V			±24V
	<b>CURRENT RANGE</b>			±100 ~ ±1000mA			±42 ~ ±420mA			±33.3 ~ ±333mA			±21 ~ ±210mA
	<b>RATED POWER</b> 10W												
	<b>RIPPLE &amp; NOISE (max.)</b> Note.2			50mVp-p			60mVp-p			60mVp-p			80mVp-p
	<b>LINE REGULATION</b> Note.3 ±0.3%												
	<b>LOAD REGULATION</b> Note.4 ±0.5%												
	<b>VOLTAGE ACCURACY</b> ±2.0%												
	<b>SWITCHING FREQUENCY</b> 250KHz min.												
<b>INPUT</b>	<b>VOLTAGE RANGE</b> A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC												
	<b>EFFICIENCY (Typ.)</b>												
	<b>DC CURRENT</b>												
	Full load A: 1100mA B: 530mA C: 270mA												
	No load A: 30mA B: 16mA C: 8mA												
<b>FILTER</b> Pi network													
<b>PROTECTION</b> Fuse recommended													
<b>PROTECTION</b> (Note. 5)	<b>OVER CURRENT</b>												
	160% ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed												
<b>SHORT CIRCUIT</b>													
All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed													
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b> -25 ~ +71°C (Refer to output load derating curve)												
	<b>WORKING HUMIDITY</b> 20% ~ 90% RH non-condensing												
	<b>STORAGE TEMP., HUMIDITY</b> -25 ~ +105°C, 10 ~ 95% RH												
	<b>TEMP. COEFFICIENT</b> ±0.03% / °C (0 ~ 50°C)												
	<b>VIBRATION</b> 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes												
<b>SAFETY &amp; EMC</b>	<b>WITHSTAND VOLTAGE</b> I/P-O/P:1KVDC												
	<b>ISOLATION RESISTANCE</b> I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH												
	<b>EMC EMISSION</b> Compliance to EN55022 Class B, FCC part 15 Class B												
	<b>EMC IMMUNITY</b> Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A												
<b>OTHERS</b>	<b>MTBF</b> 500Khrs min. MIL-HDBK-217F(25°C)												
	<b>DIMENSION</b> 50.8*25.4*11.2mm or 2**1**0.44" inch (L*W*H)												
	<b>WEIGHT</b> 32g												

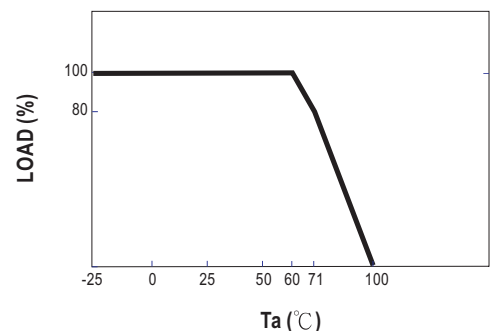
### Mechanical Specification



### 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.