

SPECIFICATION



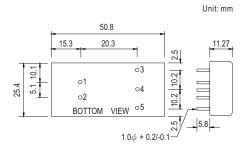
Features:

- 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

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ORDER NO.		DKE10A- 05	DKE10B- 05	DKE10C- 05	DKE10A- 12	DKE10B-	DKE10C-	DKE10A- 15	DKE10B-	DKE10C-	DKE10A- 24	DKE10B- 24	DKE10C- 24	
	DC VOLTAGE	±5V			±12V			±15V			±24V			
ОИТРИТ	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%	±0.5%											
	VOLTAGE ACCURACY	±2.0%	±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												
	DC CORRENT	No load	No load A: 30mA B: 16mA C: 8mA											
	FILTER	Pi network												
	PROTECTION	Fuse recommended												
PROTECTION (Note. 5)	OVER CURRENT	160% ~ 250% rated output power												
	OVER CURRENT	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 &	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		500Khrs min. MIL-HDBK-217F(25℃)											
	DIMENSION		50.8*25.4*11.2mm or 2"*1"*0.44" inch (L*W*H)											
	WEIGHT	32g	32g											

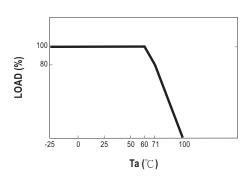
■ Mechanical Specification



■ 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.