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ELECTRONICS

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Jameco Part Number 1953090



■ Features :

- 2:1 wide input range
- 4:1 wide input range(option)
- 1000VDC I/O isolation
- 3000VDC I/O isolation(option)
- Input Pi network 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
- 1 year warranty

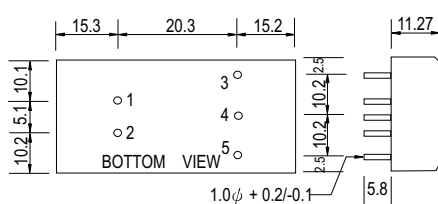


SPECIFICATION

ORDER NO.		DKA15A-05	DKA15B-05	DKA15C-05	DKA15A-12	DKA15B-12	DKA15C-12	DKA15A-15	DKA15B-15	DKA15C-15	
OUTPUT	DC VOLTAGE	±5V			±12V			±15V			
	CURRENT RANGE	±150 ~ ±1500mA			±62.5 ~ ±625mA			±50 ~ ±500mA			
	RATED POWER	15W									
	RIPPLE & NOISE (max.) <small>Note.2</small>	50mVp-p			60mVp-p			60mVp-p			
	LINE REGULATION <small>Note.3</small>	±0.2%									
	LOAD REGULATION <small>Note.4</small>	±0.5%									
	VOLTAGE ACCURACY	±2.0%									
	SWITCHING FREQUENCY	150KHz min.									
INPUT	VOLTAGE RANGE	A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC									
	EFFICIENCY (Typ.)	80%	80%	82%	83%	80%	82%	83%	80%	82%	
	DC CURRENT	Full load	A: 1600mA B: 800mA C: 400mA								
		No load	A: 30mA B: 30mA C: 15mA								
	FILTER	Pi network									
PROTECTION <small>(Note. 5)</small>	OVER CURRENT	110% ~ 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℃ (Refer to output load derating curve)									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-25 ~ +105℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50℃)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
	WITHSTAND VOLTAGE	I/P-O/P:1KVDC									
SAFETY & EMC	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25℃ / 70% RH									
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class B, FCC part 15 Class B									
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A									
	OTHERS	MTBF	300khrs min. MIL-HDBK-217F (25℃)								
DIMENSION		50.8*25.4*11.27mm or 2**1**0.44" inch (L*W*H)									
WEIGHT		60g									

■ Mechanical Specification

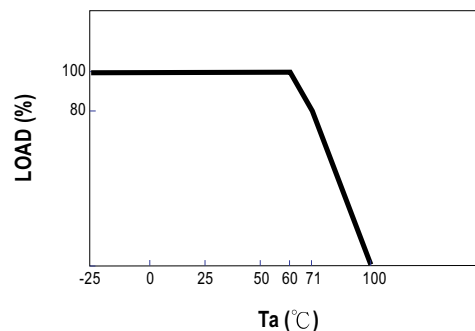
Unit: mm (inch)



■ 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.