



Features :

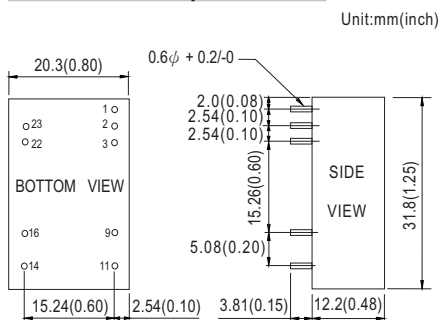
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty



SPECIFICATION

ORDER NO.	DCW12A-05	DCW12B-05	DCW12C-05	DCW12A-12	DCW12B-12	DCW12C-12	DCW12A-15	DCW12B-15	DCW12C-15		
OUTPUT	DC VOLTAGE			±5V			±12V			±15V	
	CURRENT RANGE			±240 ~ ±1200mA			±100~ ±500mA			±80 ~ ±400mA	
	RATED POWER										12W
	RIPPLE & NOISE (max.) Note.2				50mVp-p				60mVp-p		60mVp-p
	LINE REGULATION Note.3				±0.5%						
	LOAD REGULATION Note.4				±0.5%						
	VOLTAGE ACCURACY										±2.0%
	SWITCHING FREQUENCY										400KHz min.
EXTERNAL CAPACITANCE LOAD (max.)				670uF				100uF		47uF	
INPUT	VOLTAGE RANGE										A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC
	EFFICIENCY (Typ.)										80% 80% 81% 84% 84% 84% 83% 84% 83%
	DC CURRENT		Full load		A: 1245mA B: 625mA C: 320mA						
	No load		A: 70mA B: 35mA C: 25mA								
	FILTER										Pi network
PROTECTION										Fuse recommended	
PROTECTION Note.5	OVERLOAD										110 ~ 180% rated output load Protection type : Hiccup mode, recovers automatically after fault condition is removed
	SHORT CIRCUIT										All output equipped with over current protection Protection type : Hiccup mode, recovers automatically after fault condition is removed
ENVIRONMENT	WORKING TEMP.										-40 ~ +71°C (Refer to "Derating Curve")
	WORKING HUMIDITY										20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY										-40 ~ +105°C, 10 ~ 95% RH
	TEMP. COEFFICIENT										±0.05% / °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:1.5KVDC
	ISOLATION RESISTANCE										I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	ISOLATION CAPACITANCE										2200pF max.
	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	REMOTE CONTROL										Power ON: R.C. ~ -Vin > 4VDC or open ; Power OFF: R.C. ~ -Vin < 1VDC or short
	MTBF										600Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION										31.8*20.3*12.2mm (L*W*H) or 1.25**0.80**0.48" inch (L*W*H)
	PACKING										18.5g

Mechanical Specification

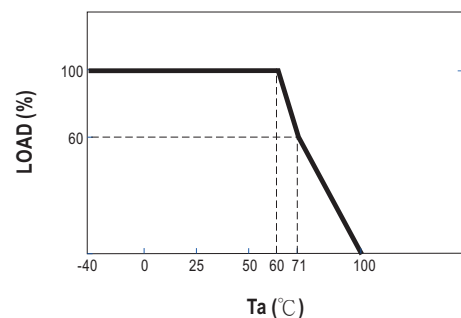


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

Pin Configuration

Pin No.	Output
1	R.C.
2 & 3	-Vin
9	COM
11	-Vout
14	+Vout
16	COM
22 & 23	+Vin

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 20% to 100% rated load.
- 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.