

- 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

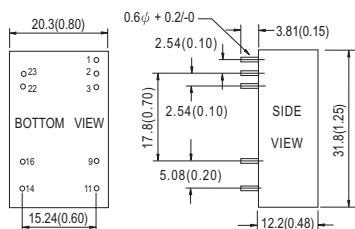


SPECIFICATION

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.																
INPUT	VOLTAGE RANGE									A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC									
	EFFICIENCY (Typ.)			80%		80%		81%		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															
	SHORT CIRCUIT			Protection type : Hiccup mode, recovers automatically after fault condition is removed															
ENVIRONMENT	WORKING TEMP.			-25 ~ +71°C (refer to output load derating curve)															
	WORKING HUMIDITY			20% ~ 90% RH non-condensing															
	STORAGE TEMP., HUMIDITY			-25 ~ +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	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.															
	EMI CONDUCTION & RADIATION			Compliance to EN55022 Class A, FCC part 15 Class A															
OTHERS	EMS IMMUNITY			Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A															
	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

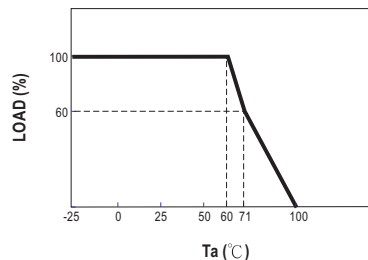
Unit:mm(inch)



■ 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

- All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
- Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% rated load.
- Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.