



#### ■ 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

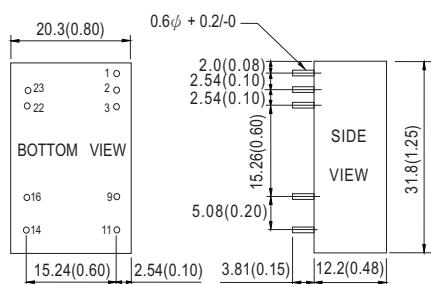


#### SPECIFICATION

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.) <small>Note.2</small>	50mVp-p			60mVp-p			60mVp-p			
	LINE REGULATION <small>Note.3</small>	±0.5%									
	LOAD REGULATION <small>Note.4</small>	±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 <small>Note.5</small>	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℃ (Refer to "Derating Curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +105℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.05% / ℃ (0 ~ 50℃)									
	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℃ / 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℃)									
	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)

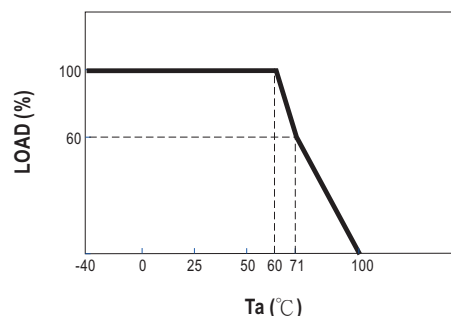


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

#### ■ 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

MEAN WELL:

[DCW12C-05](#) [DCW12A-12](#) [DCW12B-15](#)