

- 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

■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

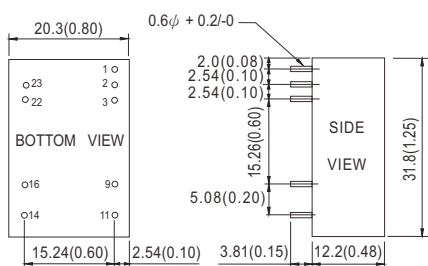


SPECIFICATION

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%									
INPUT	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 020/2011 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 BS EN/EN55032 Class A, FCC part 15 Class A, EAC TP TC 020										
EMC IMMUNITY										
Compliance to BS EN/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

Unit:mm(inch)

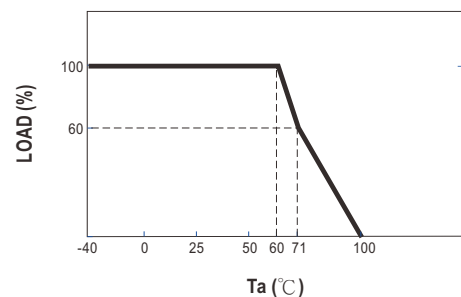


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

■ 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

- 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.
- ※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>