



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features :

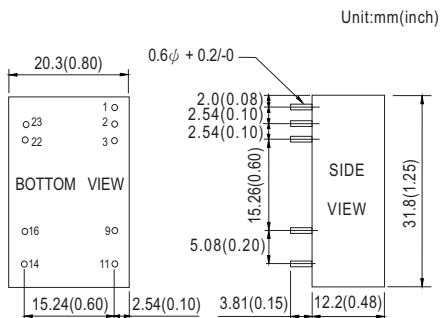
- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protections: Short circuit / Overload
- Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty



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

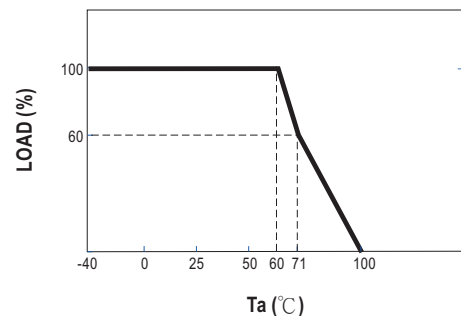


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

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.