



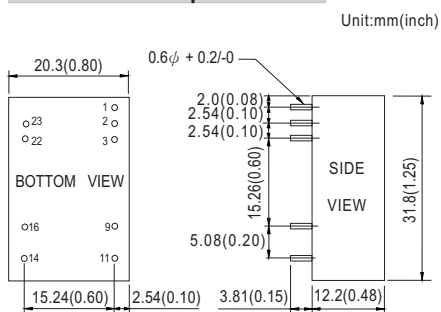
- Features :
 - 2:1 wide input range
 - 1500VDC I/O isolation
 - Built-in remote ON/OFF control
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Five-sided shield metal case
 - 100% full load burn-in test
 - Low cost / High reliability
 - 2 years warranty



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 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

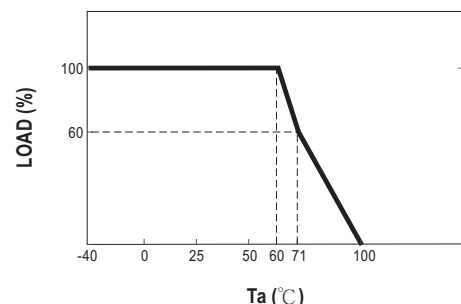


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX= ±0.5mm

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>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Isolated DC/DC Converters](#) category:

Click to view products by [Mean Well](#) manufacturer:

Other Similar products are found below :

[ESM6D044440C05AAQ](#) [FMD15.24G](#) [PSL486-7LR](#) [Q48T30020-NBB0](#) [JAHW100Y1](#) [SPB05C-12](#) [SQ24S15033-PS0S](#) [19-130041](#) [CE-1003](#)
[CE-1004](#) [GQ2541-7R](#) [RDS180245](#) [MAU228](#) [J80-0041NL](#) [DFC15U48D15](#) [XGS-0512](#) [XGS-1205](#) [XGS-1212](#) [XGS-2412](#) [XGS-2415](#) [XKS-](#)
[1215](#) [06322](#) [NCT1000N040R050B](#) [SPB05B-15](#) [SPB05C-15](#) [L-DA20](#) [DCG40-5G](#) [QME48T40033-PGB0](#) [XKS-2415](#) [XKS-2412](#) [XKS-2405](#)
[XKS-1212](#) [XKS-1205](#) [XKS-0515](#) [XKS-0505](#) [XGS-2405](#) [XGS-1215](#) [XGS-0515](#) [PS9Z-6RM4](#) [73-551-5038I](#) [AK1601-9RT](#) [VI-R5022-](#)
[EXWW](#) [PSC128-7iR](#) [RPS8-350ATX-XE](#) [DAS1004812](#) [VI-LJ11-iz](#) [PQA30-D24-S24-DH](#) [VI-M5F-CQ](#) [VI-LN2-EW](#) [VI-PJW01-CZY](#)