



- 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

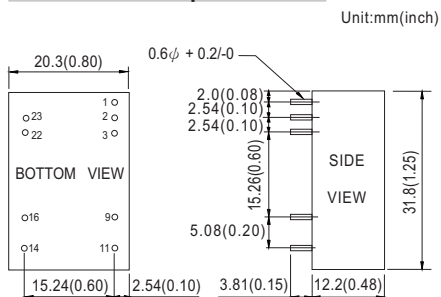
MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



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. | | | | | | | | |
| INPUT | EXTERNAL CAPACITANCE LOAD (max.) | | | 670uF | | | 100uF | | | 47uF | | |
| | 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 | | | | | | | | |
| PROTECTION | FILTER | | | Pi network | | | | | | | | |
| | PROTECTION | | | Fuse recommended | | | | | | | | |
| | OVERLOAD | | | 110 ~ 180% rated output load Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | |
| PROTECTION Note.5 | SHORT CIRCUIT | | | All output equipped with over current protection Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | |
| | WORKING TEMP. | | | -40 ~ +71°C (Refer to "Derating Curve") | | | | | | | | |
| ENVIRONMENT | 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 | | | | | | | | |
| OTHERS | EMC IMMUNITY | | | Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020 | | | | | | | | |
| | 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 | | | 17.5g ; 15pcs/per tube, 750pcs/50 tube/per carton | | | | | | | | | |

■ Mechanical Specification

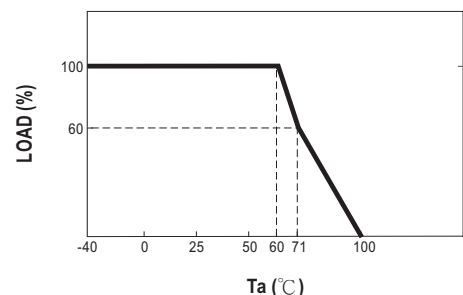


Pin Size is Tolerance 0.5±0.05mm, Tolerance .X or .XX=±0.5mm

■ 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>

Packing

| Standard Tube Packing | MPQ Per Tube (PCS) | One Tube G.W. | Max. Q'TY/ Carton(PCS) | One Carton G.W. |
|-----------------------|--------------------|---------------|------------------------|-----------------|
| <p>Unit : mm</p> | 15 | 313g | 750 | 17Kg |

Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>