



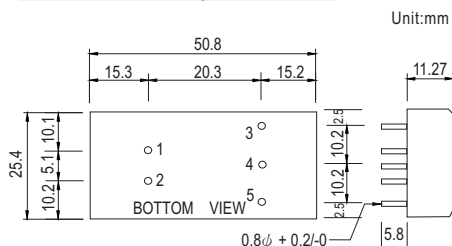
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability
 - Approvals: FCC / EAC / CE / UKCA
 - 2 years warranty



SPECIFICATION

| ORDER NO. | DLW05A-05 | DLW05B-05 | DLW05C-05 | DLW05A-12 | DLW05B-12 | DLW05C-12 | DLW05A-15 | DLW05B-15 | DLW05C-15 | |
|--|---|--|-----------|-----------|----------------|-----------|-----------|----------------|-----------|-----|
| OUTPUT | DC VOLTAGE | ±5V | | | ±12V | | | ±15V | | |
| | CURRENT RANGE | ±50 ~ ±500mA | | | ±20.8 ~ ±208mA | | | ±16.7 ~ ±167mA | | |
| | RATED POWER | 5W | | | | | | | | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 50mVp-p | | | 60mVp-p | | | 60mVp-p | | |
| | LINE REGULATION <small>Note.3</small> | ±0.2% | | | | | | | | |
| | LOAD REGULATION <small>Note.4</small> | ±0.5% | | | | | | | | |
| | VOLTAGE ACCURACY | ±2.0% | | | | | | | | |
| SWITCHING FREQUENCY | 50KHz min. | | | | | | | | | |
| INPUT | VOLTAGE RANGE | A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC | | | | | | | | |
| | EFFICIENCY (Typ.) | 75% | 77% | 77% | 80% | 82% | 83% | 81% | 83% | 85% |
| | DC CURRENT | Full load A: 556mA B: 270mA C: 135mA No load A: 33mA B: 16mA C: 10mA | | | | | | | | |
| | FILTER | Pi network | | | | | | | | |
| | PROTECTION | Fuse recommended | | | | | | | | |
| PROTECTION <small>(Note. 5)</small> | OVERLOAD | 160 ~ 250% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | |
| | SHORT CIRCUIT | All output equipped with short circuit Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | | | | | | |
| ENVIRONMENT | WORKING TEMP. | -25 ~ +71°C (Refer to "Derating Curve") | | | | | | | | |
| | WORKING HUMIDITY | 20% ~ 90% RH non-condensing | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | -25 ~ +105°C, 10 ~ 95% RH | | | | | | | | |
| | TEMP. COEFFICIENT | ±0.03% / °C (0 ~ 50°C) | | | | | | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1 cycle, 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:1KVDC | | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | | |
| | EMC EMISSION | Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, 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 | MTBF | 800khrs min. MIL-HDBK-217F(25°C) | | | | | | | | |
| | DIMENSION | 50.8*25.4*11.27mm or 2.0**1.0**0.44" inch (L*W*H) | | | | | | | | |
| | WEIGHT | 32g | | | | | | | | |

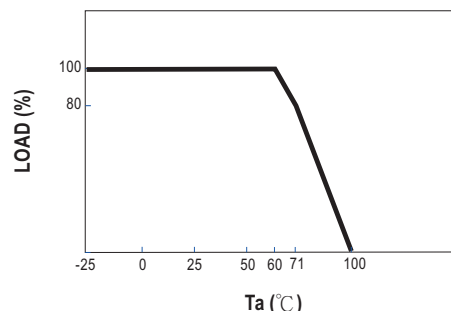
■ Mechanical Specification



■ Pin Configuration

| Pin no. | Output |
|---------|--------|
| 1 | +Vin |
| 2 | -Vin |
| 3 | +Vout |
| 4 | COM |
| 5 | -Vout |

■ 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 10% 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>