



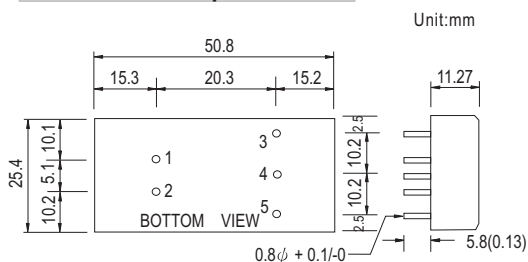
- Features :
 - 2:1 wide input range
 - 4:1 wide input range(option)
 - 1000VDC I/O isolation
 - 3000VDC I/O isolation(option)
 - Built-in EMI filter
 - Protections: Short circuit / Overload
 - Cooling by free air convection
 - Six-sided shield metal case
 - 100% burn-in test
 - Low cost / High reliability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



SPECIFICATION

| ORDER NO. | SLW05A-05 | SLW05B-05 | SLW05C-05 | SLW05A-09 | SLW05B-09 | SLW05C-09 | SLW05A-12 | SLW05B-12 | SLW05C-12 | SLW05A-15 | SLW05B-15 | SLW05C-15 | |
|----------------------|------------------------------|--|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----|
| OUTPUT | DC VOLTAGE | 5V | | | 9V | | | 12V | | | 15V | | |
| | CURRENT RANGE | 100 ~ 1000mA | | | 55.6 ~ 556mA | | | 41.7 ~ 417mA | | | 33.3 ~ 333mA | | |
| | RATED POWER | 5W | | | | | | | | | | | |
| | VOLTAGE ACCURACY | ±2.0% | | | | | | | | | | | |
| | RIPPLE & NOISE (max.) Note.2 | 50mVp-p | | | 60mVp-p | | | 60mVp-p | | | 60mVp-p | | |
| | LINE REGULATION Note.3 | ±0.2% | | | | | | | | | | | |
| | LOAD REGULATION Note.4 | ±0.5% | | | | | | | | | | | |
| | SWITCHING FREQUENCY | 50KHz min. | | | | | | | | | | | |
| INPUT | VOLTAGE RANGE | A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC | | | | | | | | | | | |
| | EFFICIENCY (Typ.) | 75% | 77% | 77% | 80% | 80% | 83% | 80% | 80% | 83% | 81% | 81% | 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 (Note. 5) | OVER CURRENT | 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 output load 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./1cycle, period for 60min. each along X, Y, Z axes | | | | | | | | | | | |
| SAFETY & EMC | WITHSTAND VOLTAGE | I/P-O/P:1KVDC | | | | | | | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH | | | | | | | | | | | |
| | EMC EMISSION | Compliance to EN55022 Class B, FCC part 15 Class B | | | | | | | | | | | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A | | | | | | | | | | | |
| OTHERS | MTBF | 800khrs min. MIL-HDBK-217F(25°C) | | | | | | | | | | | |
| | DIMENSION | 50.8*25.4*11.27mm or 2**1**0.44" inch (L*W*H) | | | | | | | | | | | |
| | WEIGHT | 32g | | | | | | | | | | | |

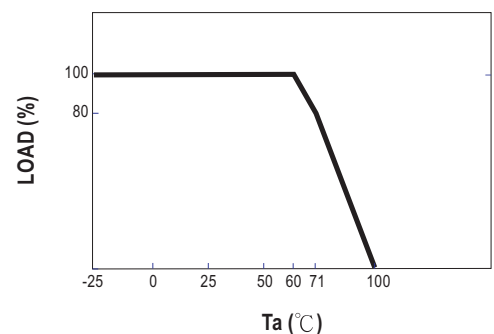
Mechanical Specification



Pin Configuration

| Pin no. | Output Single |
|---------|---------------|
| 1 | +Vin |
| 2 | -Vin |
| 3 | +Vout |
| 4 | No Pin |
| 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.