



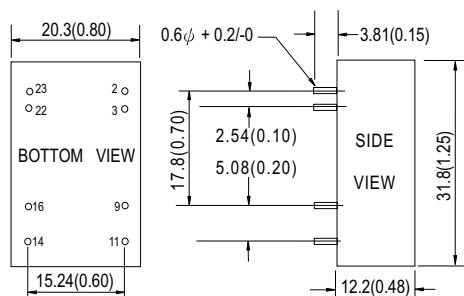
- Features :
- 2:1 wide input range
  - 4:1 wide input range(optional)
  - 1000VDC I/O isolation
  - Input Pi network filter
  - Protections: Short circuit / Over load
  - Free air convection
  - Five-sided shield metal case
  - High reliability/ Low cost
  - 100% burn-in test
  - 1 year warranty

## SPECIFICATION

| ORDER NO.            | SCW05A-05                    | SCW05B-05 | SCW05C-05    | SCW05A-09 | SCW05B-09  | SCW05C-09 | SCW05A-12  | SCW05B-12 | SCW05C-12  | SCW05A-15 | SCW05B-15 | SCW05C-15 |  |
|----------------------|------------------------------|-----------|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|--|
| OUTPUT               | DC VOLTAGE                   |           | 5V           |           | 9V         |           | 12V        |           | 15V        |           |           |           |  |
|                      | CURRENT RANGE                |           | 100 ~ 1000mA |           | 56 ~ 556mA |           | 47 ~ 470mA |           | 40 ~ 400mA |           |           |           |  |
|                      | RATED POWER                  |           | 5W           |           | 5W         |           | 5.6W       |           | 6W         |           |           |           |  |
|                      | RIPPLE & NOISE (max.) Note.2 |           | 50mVp-p      |           | 60mVp-p    |           | 60mVp-p    |           | 60mVp-p    |           |           |           |  |
|                      | LINE REGULATION Note.3       |           | ±0.5%        |           |            |           |            |           |            |           |           |           |  |
|                      | LOAD REGULATION Note.4       |           | ±0.5%        |           |            |           |            |           |            |           |           |           |  |
|                      | VOLTAGE ACCURACY             |           | ±2%          |           |            |           |            |           |            |           |           |           |  |
|                      | SWITCHING FREQUENCY          |           | 50KHz min.   |           |            |           |            |           |            |           |           |           |  |
| INPUT                | VOLTAGE RANGE                |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | EFFICIENCY (Typ.)            |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | DC CURRENT                   |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | FILTER                       |           |              |           |            |           |            |           |            |           |           |           |  |
| PROTECTION (Note. 5) | OVER LOAD                    |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | SHORT CIRCUIT                |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | WORKING TEMP.                |           |              |           |            |           |            |           |            |           |           |           |  |
| ENVIRONMENT          | WORKING HUMIDITY             |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | STORAGE TEMP., HUMIDITY      |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | TEMP. COEFFICIENT            |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | VIBRATION                    |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | WITHSTAND VOLTAGE            |           |              |           |            |           |            |           |            |           |           |           |  |
| SAFETY               | ISOLATION RESISTANCE         |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | ISOLATION CAPACITANCE        |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | MTBF                         |           |              |           |            |           |            |           |            |           |           |           |  |
| OTHERS               | DIMENSION                    |           |              |           |            |           |            |           |            |           |           |           |  |
|                      | WEIGHT                       |           |              |           |            |           |            |           |            |           |           |           |  |

### Mechanical Specification

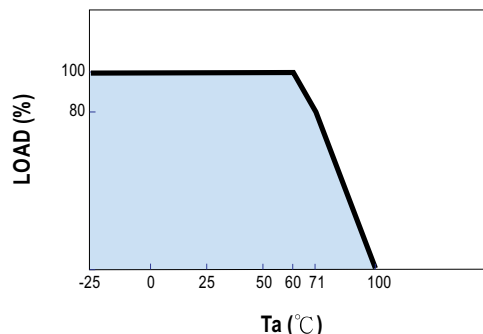
Unit:mm(inch)



### Pin Configuration

| Pin no. | Output Single |
|---------|---------------|
| 2 & 3   | -Vin          |
| 9       | N.C.          |
| 11      | N.C.          |
| 14      | +Vout         |
| 16      | -Vout         |
| 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 10% to 100% rated load.
  - 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.