



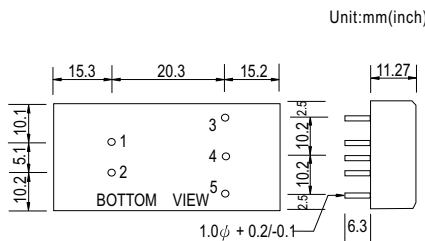
■ Features :

- 2:1 wide input range
- 1000VDC I/O isolation
- 3000VDC I/O isolation
- Input Pi network filter
- Protections: Short circuit/ Over load
- Free air convection
- Six-sided shield metal case
- High reliability/ Low cost
- 100% burn-in test
- 1 year warranty

SPECIFICATION

| ORDER NO. | SKA15A-033 | SKA15B-033 | SKA15C-033 | SKA15A-05 | SKA15B-05 | SKA15C-05 | SKA15A-12 | SKA15B-12 | SKA15C-12 | SKA15A-15 | SKA15B-15 | SKA15C-15 | | | |
|---------------------------------------|---|------------|---|--|-----------|---|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----|-----|
| OUTPUT | DC VOLTAGE | | | 3.3V | | | 5V | | | 12V | | | 15V | | |
| | CURRENT RANGE | | | 300 ~ 3000mA | | | 300 ~ 3000mA | | | 125 ~ 1250mA | | | 100 ~ 1000mA | | |
| | RATED POWER | | | 9.9W | | | 15W | | | | | | | | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | | | 50mVp-p | | | 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 | | | 150KHz min. | | | | | | | | | | | | |
| INPUT | VOLTAGE RANGE | | | A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC | | | | | | | | | | | |
| | EFFICIENCY (Typ.) | | | 76% | 76% | 76% | 78% | 78% | 80% | 82% | 80% | 82% | 82% | 80% | 82% |
| | DC CURRENT | | | Full load A: 1700mA B: 800mA C: 400mA | | | | | | | | | | | |
| | No load | | | A: 20mA B: 30mA C: 15mA | | | | | | | | | | | |
| FILTER | | | Pi network | | | | | | | | | | | | |
| PROTECTION <small>(Note.5)</small> | OVER CURRENT | | | 110% ~ 200% rated output power | | | | | | | | | | | |
| | 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 | | | | | | | | | | | |
| OTHERS | MTBF | | | 300khrs min. MIL-HDBK-217F(25°C) | | | | | | | | | | | |
| | DIMENSION | | | 50.8*25.4*11.27 mm or 2**1**0.44" inch (L*W*H) | | | | | | | | | | | |
| | WEIGHT | | | 60g | | | | | | | | | | | |

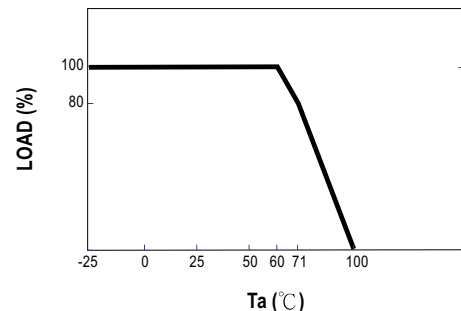
■ Mechanical Specification



■ Pin Configuration

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

■ 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.