



■ Features :

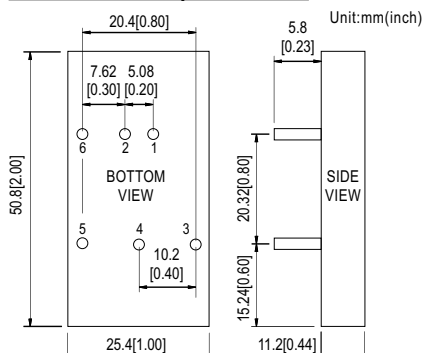
- 2"x1" compact size
- 2:1 wide input range
- High efficiency up to 89.5%
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in trimming output
- Built-in EMI filter
- Protections: Short circuit / Overload / Input and Output Over voltage
- Cooling by free air convection
- Six-sided shield metal case
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC / CE
- 2 years warranty



SPECIFICATION

| ORDER NO. | SKA20A-05 | SKA20B-05 | SKA20C-05 | SKA20A-12 | SKA20B-12 | SKA20C-12 | SKA20A-15 | SKA20B-15 | SKA20C-15 | |
|--------------------------------|----------------------------------|-----------|------------|--------------|-----------|------------|--------------|-----------|-----------|--|
| OUTPUT | DC VOLTAGE | | | 12V | | | 15V | | | |
| | CURRENT RANGE | | | 166 ~ 1666mA | | | 133 ~ 1333mA | | | |
| | RATED POWER | | | | | | | | | |
| | RIPPLE & NOISE (max.) Note.2 | | | 60mVp-p | | | 60mVp-p | | | |
| | LINE REGULATION Note.3 | | | | | | | | | |
| | LOAD REGULATION Note.4 | | | | | | | | | |
| | VOLTAGE ACCURACY | | | | | | | | | |
| | SWITCHING FREQUENCY | | | | | | | | | |
| | EXTERNAL CAPACITANCE LOAD (max.) | | | 220uF | | | 100uF | | | |
| EXTERNAL TRIM Adj. RANGE(Typ.) | | | -20 ~ +10% | | | -20 ~ +10% | | | | |
| INPUT | VOLTAGE RANGE | | | | | | | | | |
| | EFFICIENCY (Typ.) | | | | | | | | | |
| | DC CURRENT | Full load | | | 1910mA | | | 970mA | | |
| | | No load | | | 80mA | | | 55mA | | |
| | FILTER | | | | | | | | | |
| | REMOTE CONTROL | | | | | | | | | |
| PROTECTION | | | | | | | | | | |
| PROTECTION (Note. 5) | OVER CURRENT | | | | | | | | | |
| | SHORT CIRCUIT | | | | | | | | | |
| | OVER VOLTAGE | | | | | | | | | |
| | WORKING TEMP. | | | | | | | | | |
| ENVIRONMENT | WORKING HUMIDITY | | | | | | | | | |
| | STORAGE TEMP., HUMIDITY | | | | | | | | | |
| | TEMP. COEFFICIENT | | | | | | | | | |
| | VIBRATION | | | | | | | | | |
| | WITHSTAND VOLTAGE | | | | | | | | | |
| SAFETY & EMC | ISOLATION RESISTANCE | | | | | | | | | |
| | EMC EMISSION | | | | | | | | | |
| | EMC IMMUNITY | | | | | | | | | |
| OTHERS | MTBF | | | | | | | | | |
| | DIMENSION | | | | | | | | | |
| | WEIGHT | | | | | | | | | |

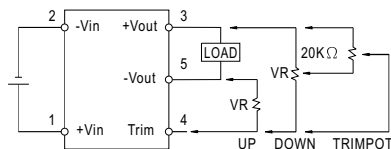
■ Mechanical Specification



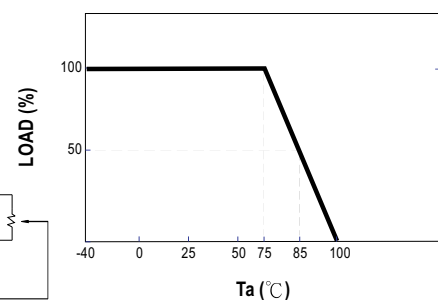
■ Pin Configuration

| Pin No. | Output | Pin No. | Output |
|---------|--------|---------|--------|
| 1 | +Vin | 4 | Trim |
| 2 | -Vin | 5 | -Vout |
| 3 | +Vout | 6 | R.C |

■ External Output Trimming



■ 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.