



MEAN WELL

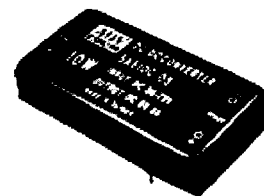
SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

SKE10C SERIES

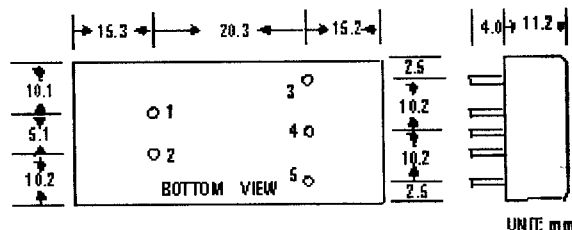
2:1 WIDE INPUT RANGE
4:1 INPUT IS AVAILABLE
REGULATED DC OUTPUT
.1K VDC I/P ISOLATION
.1K~3KVDC ISOLATION (OPTIONAL)
LOW PROFILE / SMALL SIZE
EPOXY ENCAPSULATED

SIX-SIDED SHIELD OF METAL CASE
HIGH PERFORMANCE / LOW COST
SHORT CIRCUIT PROTECTION
OVER CURRENT PROTECTION
FREE AIR CONVECTION
100% BURN-IN TEST
1 YEAR WARRANTY



| ORDER NO. | SKE10C-033 | SKE10C-05 | SKE10C-12 | SKE10C-15 | SKE10C-24 |
|--------------------------|---|-------------|-------------|-------------|-------------|
| SPECIFICATION | | | | | |
| DC OUTPUT VOLTAGE | 3.3V | 5V | 12V | 15V | 24V |
| OUTPUT VOLTAGE ACCURACY | $\pm 2\%$ | | | | |
| OUTPUT RATED CURRENT | 2400mA | 2000mA | 840mA | 666mA | 420mA |
| OUTPUT CURRENT RANGE | 240-2400mA | 200-2000mA | 84-840mA | 66.6-666mA | 42-420mA |
| RIPPLE & NOISE | 50mVp-p | 50mVp-p | 60mVp-p | 60mVp-p | 80mVp-p |
| LINE REGULATION | $\pm 0.3\%$ | $\pm 0.3\%$ | $\pm 0.3\%$ | $\pm 0.3\%$ | $\pm 0.3\%$ |
| LOAD REGULATION | $\pm 0.5\%$ | $\pm 0.5\%$ | $\pm 0.5\%$ | $\pm 0.5\%$ | $\pm 0.5\%$ |
| DC OUTPUT POWER | 8W | 10W | 10W | 10W | 10W |
| EFFICIENCY | 76% | 80% | 81% | 82% | 83% |
| SWITCHING FREQUENCY | 200KHz (TYPICAL) | | | | |
| INPUT VOLTAGE RANGE | 36~72VDC | | | | |
| INPUT CURRENT | 0.27A/48VDC; 8mA @ NO LOAD (TYPICAL) | | | | |
| SHORT CIRCUIT PROTECTION | CONTINUOUS | | | | |
| OVER CURRENT PROTECTION | 160~250% AUTO RECOVERY | | | | |
| TEMP. COEFFICIENT | $\pm 0.03\% / ^\circ\text{C}$ (0~50°C) | | | | |
| ISOLATION VOLTAGE | I/P-O/P: 1K VDC MIN. | | | | |
| ISOLATION RESISTANCE | I/P-O/P: 100M Ohms MIN. @500VDC | | | | |
| TRANSIENT RESPONSE | <250 μ sec. FOR 25% LOAD STEP CHANGE | | | | |
| WORKING TEMP., HUMIDITY | -15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @71°C | | | | |
| STORAGE TEMP., HUMIDITY | -25°C~+85°C, 10%~95% RH | | | | |
| DIMENSION | 2"×1"×0.44" | | | | |
| WEIGHT | 32g | | | | |
| CASE MATERIAL | SIX-SIDED SHIELD OF METAL CASE | | | | |

MECHANISM AND PIN CONFIGURATION



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

NOTE : 1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1 μ F & 47 μ F CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

2003-03-04