



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

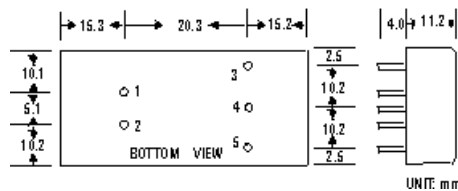
SKE10A SERIES

- .2:1 WIDE INPUT RANGE
- .4:1 INPUT IS AVIALABLE
- .REGULATED DC OUTPUT
- .500VDC I/P ISOLATION
- .1K-3KVDC ISOLATION IS AVAILABLE
- .LOW PROFILE / SMALL SIZE
- .EPOXY ENCAPSULATED
- .HIGH PERMAECE / LOW COST
- .SHORT CIRCUIT PROTECTION
- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY



| MODEL | SKE10A-05 | SKE10A-12 | SKE10A-15 | SKE10A-24 |
|--------------------------|--|-----------|------------|-----------|
| SPECIFICATION | | | | |
| DC OUTPUT VOLTAGE | 5V | 12V | 15V | 24V |
| OUTPUT VOLTAGE ACCURACY | ±2% | | | |
| OUTPUT RATED CURRENT | 2000mA | 840mA | 666mA | 420mA |
| OUTPUT CURRENT RANGE | 200-2000mA | 84-840mA | 66.6-666mA | 42-420mA |
| RIPPLE & NOISE | 50mVp-p | 60mVp-p | 60mVp-p | 80mVp-p |
| LINE REGULATION | ± 0.3% | ±0.3% | ±0.3% | ±0.3% |
| LOAD REGULATION | ± 1% | ± 1% | ± 1% | ± 1% |
| DC OUTPUT POWER | 10W | 10W | 10W | 10W |
| EFFICIENCY | 81% (TYPICAL) | | | |
| SWITCHING FREQUENCY | 300KHz (TYPICAL) | | | |
| INPUT VOLTAGE RANGE | 9-18VDC | | | |
| INPUT CURRENT | 1.1A/12VDC; 25mA @ NO LOAD (TYPICAL) | | | |
| SHORT CIRCUIT PROTECTION | CONTINUOUS | | | |
| OVER CURRENT PROTECTION | 160-250% AUTO RECOVERY | | | |
| TEMP. COEFFICIENT | ±0.02% / °C (0-50°C) | | | |
| ISOLATION VOLTAGE | I/P-O/P:500VDC MIN. | | | |
| ISOLATION RESISTANCE | I/P-O/P:500VDC / 100M Ohms MIN. | | | |
| TRANSIENT RESPONSE | <250u 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"*0.42" | | | |
| WEIGHT | 32g | | | |
| CASE METERIAL | SIX-SIDED SHIELD METAL CASE | | | |

MECHANISM AND PIN CONFIGURATION



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

- 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 0.1uF & 47uF 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.



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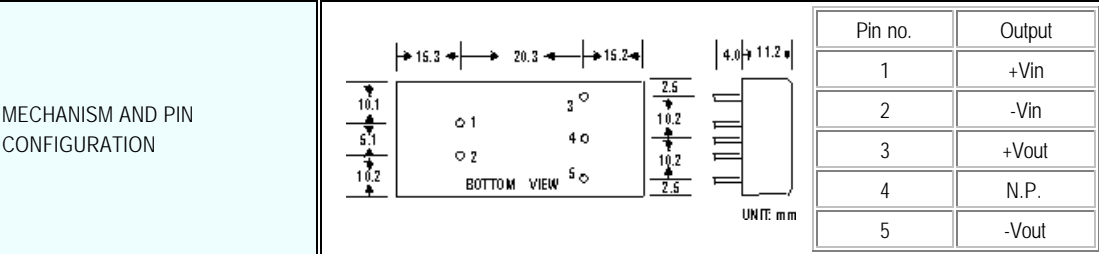
ISO-9001 CERTIFIED MANUFACTURER

SKE10C SERIES

- .2:1 WIDE INPUT RANGE
- .4:1 INPUT IS AVIALABLE
- .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 PERFORMACE / LOW COST
- .SHORT CIRCUIT PROTECTION
- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY



| MODEL | SKE10C-05 | SKE10C-12 | SKE10C-15 | SKE10C-24 |
|--------------------------|---|-----------|------------|-----------|
| DC OUTPUT VOLTAGE | 5V | 12V | 15V | 24V |
| OUTPUT VOLTAGE ACCURACY | ±2% | | | |
| OUTPUT RATED CURRENT | 2000mA | 840mA | 666mA | 420mA |
| OUTPUT CURRENT RANGE | 200-2000mA | 84-840mA | 66.6-666mA | 42-420mA |
| RIPPLE & NOISE | 50mVp-p | 60mVp-p | 60mVp-p | 80mVp-p |
| LINE REGULATION | ± 0.3% | ±0.3% | ±0.3% | ±0.3% |
| LOAD REGULATION | ± 1% | ± 1% | ± 1% | ± 1% |
| DC OUTPUT POWER | 10W | 10W | 10W | 10W |
| EFFICIENCY | 80% | 82% | 82% | 83% |
| SWITCHING FREQUENCY | 250KHz (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 | ±0.03% / °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 | <250u 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 METERIAL | SIX-SIDED SHIELD OF METAL CASE | | | |



NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
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2002-06-24



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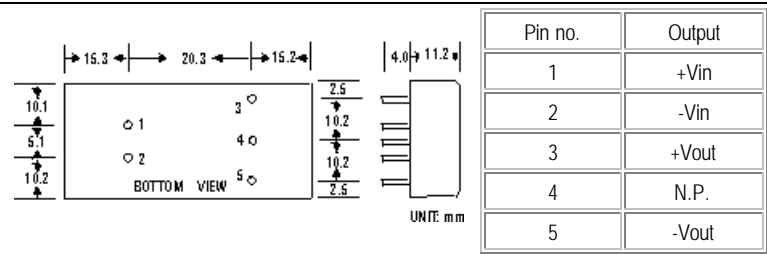
SKE10B SERIES

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- .REGULATED DC OUTPUT
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| OUTPUT RATED CURRENT | 2000mA | 840mA | 666mA | 420mA |
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| RIPPLE & NOISE | 50mVp-p | 60mVp-p | 60mVp-p | 80mVp-p |
| LINE REGULATION | ±0.3% | ±0.3% | ±0.3% | ±0.3% |
| LOAD REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| DC OUTPUT POWER | 10W | 10W | 10W | 10W |
| EFFICIENCY | 79% | 83% | 83% | 84% |
| SWITCHING FREQUENCY | 250KHz (TYPICAL) | | | |
| INPUT VOLTAGE RANGE | 18-36VDC | | | |
| INPUT CURRENT | 0.53A/24VDC; 16mA @ NO LOAD (TYPICAL) | | | |
| SHORT CIRCUIT PROTECTION | CONTINUOUS | | | |
| OVER CURRENT PROTECTION | 160-250% AUTO RECOVERY | | | |
| TEMP. COEFFICIENT | ±0.03% / °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 | <250u sec. FOR 25% LOAD STEP CHANGE | | | |
| WORKING TEMP., HUMIDITY | -15°C~+60°C, 20%-90% RH (NO DERATING); 80% LOAD @ 71°C | | | |
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