

MIL-STD-461/1275, 18~36V DC input 300W Power Module

Extended
Temperature
+85°C
-40°C

CPU Full Speed

HIGH



POWER AUTOMATION COMPUTER

- Wide Input Range: 18V to 36V DC
- 12V DC Output up to 25 Amp
- Indefinite short circuit Protection
- Over-voltage shutdown with auto-recovery
- Over temperature shutdown with auto-recovery
- EMI filters included
- Over current protection
- Compact size
- High efficiency (typ. 85%~90%)
- Extended Temperature -40°C to 85 °C
(with conduction cooling)

Specifications

SYSTEM

| | |
|-----------------------|---|
| Input Voltage | 18V to 36V |
| Output | 300W, 18V ~36V |
| Ripple | <300m |
| Line Regulation | <100 mV |
| Load Regulation | <100 mV |
| Efficiency | (typ. 93.5%) |
| Operation Temperature | -40 to 85°C |
| Storage Temperature | -40 to 85°C |
| Dimension | Dimension 210(L) x 70(W) mm |
| MIL-STD-461E | MIL-STD-461E : CE102 basic curve, 10kHz - 30 MHz RE102-4, (1.5 MHz) -30 MHz - 5 GHz RS103, 80 MHz - 3 GHz |
| EMI/EMS | EN55011,EN55032 CISPR32 ClassA IEC61000-4-2, Contact Discharge Level 4(8kV) Air Discharge Level 4(15kV) IEC61000-4-3, 12V/m : (80MHz~1.0GHz) 3.6V/m : (1.4~2.0GHz) 1.2V/m : (2.0~2.7GHz) 80% Amplitude modulated IEC61000-4-4, Level 4 (4KV) Repetition Rate : 5kHz and 100kHz IEC61000-4-5, Line to Line : Level 4 (2KV) Line to Earth : Level 4 (4KV) |

Ordering Information

SK711 300W DC/DC Converter Module with 18V
to 36V (-40 to 85°C)