

MIL-STD-461/1275, 18~36V DC Input 400W Power Module



Power Automation Computer

- Wide Input Range: 18V to 36V DC
- 12V DC Output up to 33 Amp
- Over voltage protection
- Over current protection
- Surge protection
- High efficiency (typ. 92%)
- Extended Temperature -40°C to 85 °C (with conduction cooling)

Extended
Temperature
+85°C
-40°C

SK712

Specifications

System

| | |
|-------------------------|--|
| Input Voltage | 18V to 36V (2P Terminal block) |
| Output | 400W, 12V(4P Terminal block) |
| OVP | 14.4~17.5V |
| Power LED indicator | Yes |
| Power Efficiency | 92% |
| Ripple and Noise | 100mVp-p |
| Reverse Voltage Protect | Yes |
| Operation Temperature | -40 to 85°C |
| Storage Temperature | -40 to 85°C |
| Dimension | Dimension 180(L) x 70(W) x 20(H)mm |
| MIL-STD-461 | CE102 basic curve, 10kHz - 30 MHz RE102-4, (1.5 MHz) -30 MHz - 5 GHz RS103, 1.5 MHz - 5 GHz, 50 V/m equal for all frequencies EN55011,EN55032 CISPR32 ClassA Contact Discharge Level 4(8kV) Air Discharge Level 4(15kV) |
| MIL-STD-1275 | Steady State : 20~33V; Surge - Low : 18V/500ms; Surge - High : 100V/50ms |
| CE/FCC compliant | EN 61000-4-2: Air discharge: 8 kV, Contact discharge: 6kV EN 61000-4-4: Signal and DC-Net: 1 kV EN 61000-4-5: Leads vs. ground potential 1kV, Signal und DC-Net: 0.5 kV EN 55022, class A EN 61000-4-3: 10V/m |
| Vibration | MIL-STD-810F, Method 514.5, C-3 Composite wheeled vehicle vibration exposures. 40 min/Achse |
| Shock | MIL-STD-810F, Method 516.5-1, frequencies: 10-2000 Hz, cross-over frequency 45 Hz shock: peak acceleration 20g,+/- 10 shocks per axis (3x) |

Ordering Information

SK712 400W DC/DC Converter Module with input 18V to 36V , output 12V, operation temperature -40°C ~ 85°C