SK712

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

MAIN FEATURES

- **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)**

Specifications

Input Voltage	18V to 36V (2P Terminal block)
Output	400W, 12V(4P Terminal block)
Power Efficiency	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

Certification

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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℃~ 85℃