



DC-DC CONVERTER

CX6S

Model list

| output \ input | 4.5V~10V | 9.5V~28V | 20V~60V |
|----------------|-----------|-----------|-----------|
| 5V, 1200mA | CX6S05-05 | CX6S05-12 | CX6S05-24 |
| 12V, 500mA | CX6S12-05 | CX6S12-12 | CX6S12-24 |
| 15V, 400mA | CX6S15-05 | CX6S15-12 | CX6S15-24 |

Maximum Rating and Environmental Characteristics

| | | |
|----------------------------|-----------------------------|--------------|
| Maximum Input Voltage | Operating Temperature Range | -20 ~ +70°C |
| CX6S -05 12V | Storage Temperature Range | -40 ~ +100°C |
| CX6S -12 35V | Humidity Range | 20 ~ +95%RH |
| CX6S -24 70V | Vibration | 2G(5~55Hz) |
| Isolation Withstand AC500V | Impact Shock | 30G |

Electrical Characteristics (Ta=+25°C)

| ITEM | CONDITIONS | CX6S05-05 CX6S05-12 CX6S05-24 | CX6S12-05 CX6S12-12 CX6S12-24 | CX6S15-05 CX6S15-12 CX6S12-24 |
|-------------------------|---|--|--|--|
| Output Voltage | Io=max | 5.0V±5% | 12.0V±3% | 15.0V±3% |
| Maximum Output Current | Ta=-20 ~ 50°C Ta=70°C | 1200mA 720mA | 500mA 350mA | 400mA 280mA |
| Efficiency | CX6S -05 Vin=typ, Io=max CX6S -12/24 Vin=typ, Io=max | 73% typ (67% min) 76% typ (71% min) | 76% typ (71% min) 80% typ (76% min) | 76% typ (71% min) 80% typ (76% min) |
| Input Regulation Ratio | Vin=min ~ max | 0.3% max | 0.2% max | 0.2% max |
| Output Regulation Ratio | Io=10 ~ 100% | 0.3% max | 0.2% max | 0.2% max |
| Temperature Drift | Ta=-20 ~ +70°C, | 0.05%/°C max | | |
| Output Noise | CX6S -05/12 CX6S -24 20MHz band | 100mVpp max 100mVpp max | 70mVpp max 100mVpp max | |
| Isolation between P&S | DC 1000V | 500MΩ min | | |
| Isolation Withstand | AC 50/60Hz 1 minute | 500V AC | | |
| Capacity between P&S | | 1000 pF typ | | |
| Weight | | 35g | | |



DC-DC CONVERTER

CX6D

Model list

| output \ input | 4.5V~10V | 9.5V~28V | 20V~60V |
|----------------|-----------|-----------|-----------|
| ±12V, ±250mA | CX6D12-05 | CX6D12-12 | CX6D12-24 |
| ±15V, ±200mA | CX6D15-05 | CX6D15-12 | CX6D15-24 |

Maximum Rating and Environmental Characteristics

| | | |
|----------------------------|-----------------------------|--------------|
| Maximum Input Voltage | Operating Temperature Range | -20 ~ +70°C |
| CX6D -05 12V | Storage Temperature Range | -40 ~ +100°C |
| CX6D -12 35V | Humidity Range | 20 ~ +95%RH |
| CX6D -24 70V | Vibration | 2G(5~55Hz) |
| Isolation Withstand AC500V | Impact Shock | 30G |

Electrical Characteristics (Ta=+25°C)

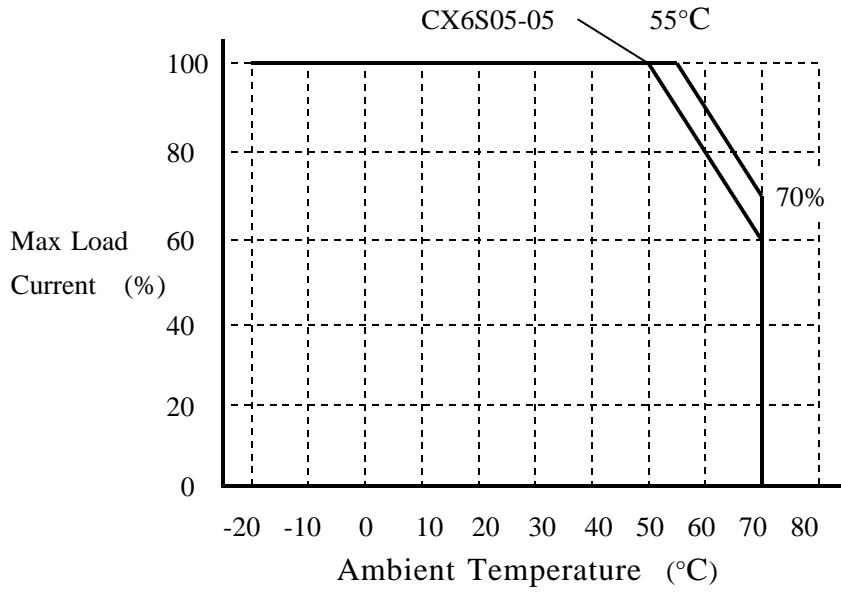
| ITEM | CONDITIONS | CX6D12-05 CX6D12-12 CX6D12-24 | CX6D15-05 CX6D15-12 CX6D15-24 |
|-------------------------|---|--|--|
| Output Voltage | Io=max | ±12.0V±3% | ±15.0V±3% |
| Maximum Output Current | Ta=-20 ~ 55°C Ta=70°C | ±250mA ±175mA | ±200mA ±140mA |
| Efficiency | CX6D -05 Vin=typ, Io=max CX6D -12/24 Vin=typ, Io=max | 76% typ (70% min) 80% typ (76% min) | 76% typ (70% min) 80% typ (76% min) |
| Input Regulation Ratio | Vin=min ~ max | 0.2% max | 0.2% max |
| Output Regulation Ratio | Io=10 ~ 100% | 0.2% max | 0.2% max |
| Temperature Drift | Ta=-20 ~ +70°C, | 0.05%/°C max | |
| Output Noise | CX6D -05/12 CX6D -24 20MHz band | 70mVpp max 100mVpp max | |
| Isolation between P&S | DC 1000V | 500MΩ min | |
| Isolation Withstand | AC 50/60Hz 1 minute | 500V AC | |
| Capacity between P&S | | 1000 pF typ | |
| Weight | | 35g | |

Derating

Ordering information

Load vs Ambient Temperature

CX 6 _ _ _ - _



- Series name
- Output wattage
- Output(Single/Double)
S:Single D:Double
- output voltage
- input voltage

Dimensions

CX6Sシリーズ

CX6Dシリーズ

