



DC-DC CONVERTER

CX10S

Model list

output \ input	4.5V~10V	9.5V~28V	20V~60V
5V, 2000mA	CX10S05-05	CX10S05-12	CX10S05-24
12V, 830mA	CX10S12-05	CX10S12-12	CX10S12-24
15V, 660mA	CX10S15-05	CX10S15-12	CX10S15-24

Maximum Rating and Environmental Characteristics

Maximum Input Voltage CX10S -05 12V CX10S -12 35V CX10S -24 70V Isolation Withstand AC500V	Operating Temperature Range -20 ~ +70°C Storage Temperature Range -40 ~ +100°C Humidity Range 20 ~ +95%RH Vibration 2G(5~55Hz) Impact Shock 30G
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Electrical Characteristics (Ta=+25°C)

ITEM	CONDITIONS	CX10S05-05 CX10S05-12 CX10S05-24	CX10S12-05 CX10S12-12 CX10S12-24	CX10S15-05 CX10S15-12 CX10S12-24
Output Voltage	Io=max	5.0V±5%	12.0V±3%	15.0V±3%
Maximum Output Current	Ta=-20 ~ 50°C Ta=70°C	2000mA 1200mA	830mA 580mA	660mA 460mA
Efficiency	CX10S -05 Vin=typ, Io=max CX10S -12/24 Vin=typ, Io=max	73% typ (68% min) 76% typ (72% min)	76% typ (72% min) 80% typ (76% min)	76% typ (72% 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	CX10S -05/12 CX10S -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		48g		



DC-DC CONVERTER

CX10D

Model list

output \ input	4.5V~10V	9.5V~28V	20V~60V
±12V, ±400mA	CX10D12-05	CX10D12-12	CX10D12-24
±15V, ±330mA	CX10D15-05	CX10D15-12	CX10D15-24

Maximum Rating and Environmental Characteristics

Maximum Input Voltage	Operating Temperature Range	-20 ~ +70°C
CX10D -05 12V	Storage Temperature Range	-40 ~ +100°C
CX10D -12 35V	Humidity Range	20 ~ +95%RH
CX10D -24 70V	Vibration	2G(5~55Hz)
Isolation Withstand AC500V	Impact Shock	30G

Electrical Characteristics (Ta=+25°C)

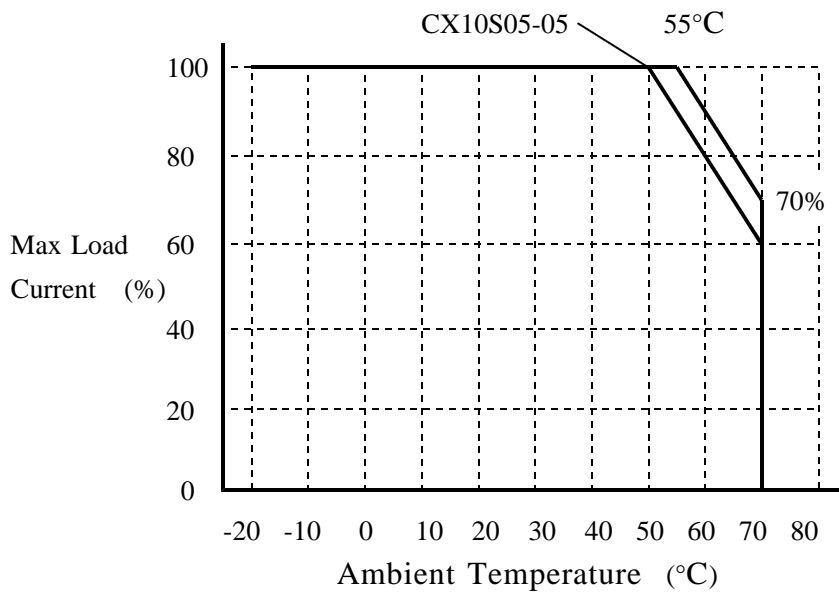
ITEM	CONDITIONS	CX10D12-05 CX10D12-12 CX10D12-24	CX10D15-05 CX10D15-12 CX10D15-24
Output Voltage	Io=max	±12.0V±3%	±15.0V±3%
Maximum Output Current	Ta=-20 ~ 55°C Ta=70°C	±400mA ±280mA	±330mA ±230mA
Efficiency	CX10D -05 Vin=typ, Io=max CX10D -12/24 Vin=typ, Io=max	76% typ (72% min) 80% typ (76% min)	76% typ (72% 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	CX10D -05/12 CX10D -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		48g	

Derating

Ordering information

Load vs Ambient Temperature

CX 10 _ _ - _



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

Dimensions

