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# Power Supplies

## CXA Series CXA-M10A-L/-M10L-L/-M10M-L

### DC to AC Inverters

### On-board type, Non-dimming, 6W, For 1 and 2 Bulbs

#### ELECTRICAL CHARACTERISTICS

##### 5V INPUT TYPE/CXA-M10A-L

Connections	Items	Unit	Symbol	Specifications			Conditions		
				min.	typ.	max.	Vin(V)	Ta(°C)	RL(kΩ)
A	Output current Irms	mA	Iout	9	10	11	5±1%	23±5	40
				8	10	12	5±5%	-10 to +60	30 to 50
	Input current Idc	A	Iin	—	1	1.5	5±5%	-10 to +60	30 to 50
	Oscillation frequency	kHz	FL	23	28	33	5±5%	-10 to +60	30 to 50
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	5±5%	-10 to +60	∞
Output power	W	Pout	—	—	6	5±5%	-10 to +60	—	
B	Output current Irms	mA	Iout	5.1	6	6.5	5±1%	23±5	67
				4.5	6	7.1	5±5%	-10 to +60	50 to 84
	Input current Idc	A	Iin	—	0.6	1	5±5%	-10 to +60	50 to 84
	Oscillation frequency	kHz	FL	27	32	37	5±5%	-10 to +60	50 to 84
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	5±5%	-10 to +60	∞
Output power	W	Pout	—	—	3.6	5±5%	-10 to +60	—	
C	Output current Irms	mA	Iout	4.2	5	5.4	5±1%	23±5	80
				3.7	5	5.9	5±5%	-10 to +60	60 to 100
	Input current Idc	A	Iin	—	0.6	0.9	5±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	FL	23	28	33	5±5%	-10 to +60	60 to 100
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	5±5%	-10 to +60	∞
Output power	W	Pout	—	—	3	5±5%	-10 to +60	—	
D	Output current Irms	mA	lout1	4.5	5	5.5	5±1%	23±5	80
			lout2	4.5	5	5.5	5±1%	23±5	80
			lout1	4	5	6	5±5%	-10 to +60	60 to 100
			lout2	4	5	6	5±5%	-10 to +60	60 to 100
	Input current Idc	A	Iin	—	1	1.5	5±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	FL	23	28	33	5±5%	-10 to +60	60 to 100
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	5±5%	-10 to +60	∞
	Output power	W	Pout	—	—	3×2	5±5%	-10 to +60	—

# Power Supplies

CXA Series CXA-M10A-L/-M10L-L/-M10M-L

DC to AC Inverters

On-board type, Non-dimming, 6W, For 1 and 2 Bulbs

## ELECTRICAL CHARACTERISTICS

### 12V INPUT TYPE/CXA-M10L-L

Connections	Items	Unit	Symbol	Specifications			Conditions		
				min.	typ.	max.	V <sub>in</sub> (V)	T <sub>a</sub> (°C)	R <sub>L</sub> (kΩ)
A	Output current I <sub>rms</sub>	mA	I <sub>out</sub>	9	10	11	12±1%	23±5	40
				8	10	12	12±5%	-10 to +60	30 to 50
	Input current I <sub>dc</sub>	A	I <sub>in</sub>	—	0.42	0.63	12±5%	-10 to +60	30 to 50
	Oscillation frequency	kHz	F <sub>L</sub>	23	28	33	12±5%	-10 to +60	30 to 50
	Open circuit output voltage E <sub>rms</sub>	V	V <sub>open</sub>	1000	1200	—	12±5%	-10 to +60	∞
Output power	W	P <sub>out</sub>	—	—	6	12±5%	-10 to +60	—	
B	Output current I <sub>rms</sub>	mA	I <sub>out</sub>	5.1	6	6.5	12±1%	23±5	67
				4.5	6	7.1	12±5%	-10 to +60	50 to 84
	Input current I <sub>dc</sub>	A	I <sub>in</sub>	—	0.27	0.41	12±5%	-10 to +60	50 to 84
	Oscillation frequency	kHz	F <sub>L</sub>	26	31	36	12±5%	-10 to +60	50 to 84
	Open circuit output voltage E <sub>rms</sub>	V	V <sub>open</sub>	1000	1200	—	12±5%	-10 to +60	∞
Output power	W	P <sub>out</sub>	—	—	3.6	12±5%	-10 to +60	—	
C	Output current I <sub>rms</sub>	mA	I <sub>out</sub>	4.3	5	5.5	12±1%	23±5	80
				3.8	5	6	12±5%	-10 to +60	60 to 100
	Input current I <sub>dc</sub>	A	I <sub>in</sub>	—	0.23	0.35	12±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	F <sub>L</sub>	23	28	33	12±5%	-10 to +60	60 to 100
	Open circuit output voltage E <sub>rms</sub>	V	V <sub>open</sub>	1000	1200	—	12±5%	-10 to +60	∞
Output power	W	P <sub>out</sub>	—	—	3	12±5%	-10 to +60	—	
D	Output current I <sub>rms</sub>	mA	I <sub>out1</sub>	4.5	5	5.5	12±1%	23±5	80
			I <sub>out2</sub>	4.5	5	5.5	12±1%	23±5	80
			I <sub>out1</sub>	4	5	6	12±5%	-10 to +60	60 to 100
			I <sub>out2</sub>	4	5	6	12±5%	-10 to +60	60 to 100
	Input current I <sub>dc</sub>	A	I <sub>in</sub>	—	0.42	0.63	12±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	F <sub>L</sub>	23	28	33	12±5%	-10 to +60	60 to 100
	Open circuit output voltage E <sub>rms</sub>	V	V <sub>open</sub>	1000	1200	—	12±5%	-10 to +60	∞
	Output power	W	P <sub>out</sub>	—	—	3×2	12±5%	-10 to +60	—

# Power Supplies

## CXA Series CXA-M10A-L/-M10L-L/-M10M-L

### DC to AC Inverters

### On-board type, Non-dimming, 6W, For 1 and 2 Bulbs

#### ELECTRICAL CHARACTERISTICS

##### 24V INPUT TYPE/CXA-M10M-L

Connections	Items	Unit	Symbol	Specifications			Conditions		
				min.	typ.	max.	Vin(V)	Ta(°C)	RL(kΩ)
A	Output current Irms	mA	Iout	9	10	11	24±1%	23±5	40
				8	10	12	24±5%	-10 to +60	30 to 50
	Input current Idc	A	Iin	—	0.21	0.33	24±5%	-10 to +60	30 to 50
	Oscillation frequency	kHz	FL	23	28	33	24±5%	-10 to +60	30 to 50
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	24±5%	-10 to +60	∞
Output power	W	Pout	—	—	6	24±5%	-10 to +60	—	
B	Output current Irms	mA	Iout	5	6	6.4	24±1%	23±5	67
				4.4	6	7	24±5%	-10 to +60	50 to 84
	Input current Idc	A	Iin	—	0.14	0.21	24±5%	-10 to +60	50 to 84
	Oscillation frequency	kHz	FL	26	31	36	24±5%	-10 to +60	50 to 84
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	24±5%	-10 to +60	∞
Output power	W	Pout	—	—	3.6	24±5%	-10 to +60	—	
C	Output current Irms	mA	Iout	4.3	5	5.5	24±1%	23±5	80
				3.8	5	6	24±5%	-10 to +60	60 to 100
	Input current Idc	A	Iin	—	0.12	0.19	24±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	FL	23	28	33	24±5%	-10 to +60	60 to 100
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	24±5%	-10 to +60	∞
Output power	W	Pout	—	—	3	24±5%	-10 to +60	—	
D	Output current Irms	mA	Iout1	4.5	5	5.5	24±1%	23±5	80
			Iout2	4.5	5	5.5	24±1%	23±5	80
			Iout1	4	5	6	24±5%	-10 to +60	60 to 100
			Iout2	4	5	6	24±5%	-10 to +60	60 to 100
	Input current Idc	A	Iin	-	0.21	0.33	24±5%	-10 to +60	60 to 100
	Oscillation frequency	kHz	FL	23	28	33	24±5%	-10 to +60	60 to 100
	Open circuit output voltage Erms	V	Vopen	1000	1200	—	24±5%	-10 to +60	∞
Output power	W	Pout	—	—	3×2	24±5%	-10 to +60	—	

