

DESCRIPTION :

TDK DC/AC Inverter, CXA-series, are low-noise, high frequency power sources developed for driving Cold Cathode Fluorescent Lamps operating at 20~80 kHz. These inverters are designed to handle a wide range of lamp characteristics.

FEATURES :

Constant current output ensures compatibility with a wide range of discharge lamps.

High efficiency resonant circuitry produces low-noise, sinusoidal-wave output.

One-lamp/two-lamp combined-use capability allows use in four different configurations.

Common ground or floating bulb configurations.

Compact size and light weight facilitate PC board mounting.

High Efficiency (80%)

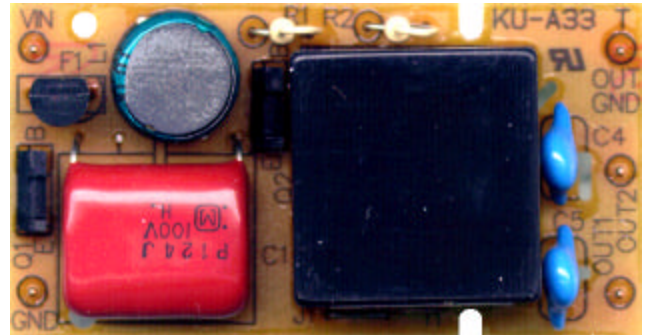
Fuse protection

TEMPERATURE & HUMIDITY :

Operating Temperature Range -10 °C ~ +60°C

Storage Temperature Range -30 °C ~ +85°C

Humidity 95 %RH max (No dew)



APPLICATION:

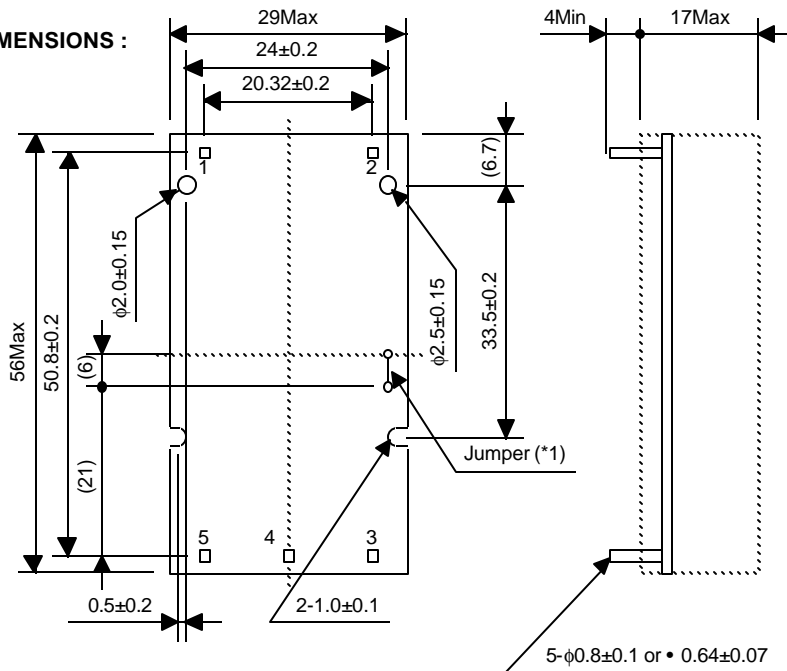
Systems using LCD displays.

Facsimile machine reading function.

Portable data-collection terminals.

Automotive displays.

DIMENSIONS :

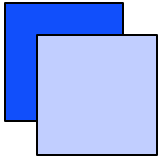


Bottom View

Unit : mm
Weight : 25 (g) typ.

*1 Removed to Isolate Input and Output Ground

Pin	Symbol	Note
1	Vin	0 ~ 26.4 Vdc
2	GND	0 Vdc
3	Iout1	5 mArms
4	Iout2	5 mArms
5	Iout-ret	(0 Vdc)



ELECTRICAL CHARACTERISTICS :

Parameter	Symbol	Conditions			Applica-tion	Specifications			Unit	Note
		Vin (V)	Ta (°C)	RL (kΩ)		min.	typ.	max.		
Output Current	Iout	24±1%	23±5	60	A	9	10	11	mArms	
						8	10	12		
Input Current	Iin	24±5%	-10 ~ 60	50 ~ 70	A	-	TBD	TBD	Adc	
Frequency	FL					TBD	TBD	TBD	kHz	
Open Voltage	Vopen			∞		1300	1500	-	Vrms	
<hr/>										
Output Current	Iout	24±1%	23±5	100	B	5.2	6	6.8	mArms	
						4.4	6	7.6		
Input Current	Iin	24±5%	-10 ~ 60	80~120	B	-	TBD	TBD	Adc	
Frequency	FL					TBD	TBD	TBD	kHz	
Open Voltage	Vopen			∞		1300	1500	-	Vrms	
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Output Current	Iout	24±1%	23±5	120	C	4.5	5	5.5	mArms	
						4	5	6		
Input Current	Iin	24±5%	-10 ~ 60	100~140	C	-	TBD	TBD	Adc	
Frequency	FL					TBD	TBD	TBD	kHz	
Open Voltage	Vopen			∞		1300	1500	-	Vrms	
<hr/>										
Output Current	Iout1	24±1%	23±5	120	D	4.5	5	5.5	mArms	
	Iout2					4	5	6		
Input Current	Iin	24±5%	-10 ~ 60	100~140	D	-	TBD	TBD	Adc	
Frequency	FL					TBD	TBD	TBD	kHz	
Open Voltage	Vopen			∞		1300	1500	-	Vrms	

APPLICATION

