

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.

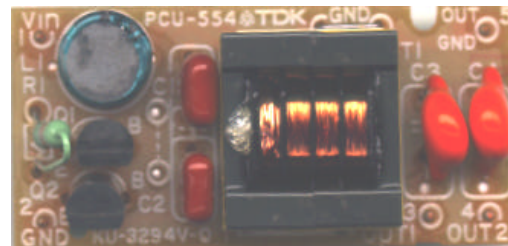
High efficiency resonant circuitry produces low-noise, sinusoidal-wave output.

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%)



TEMPERATURE & HUMIDITY :

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

Storage Temperature Range -20 °C ~ +85°C

Humidity 95 %RH max (No dew)

APPLICATION:

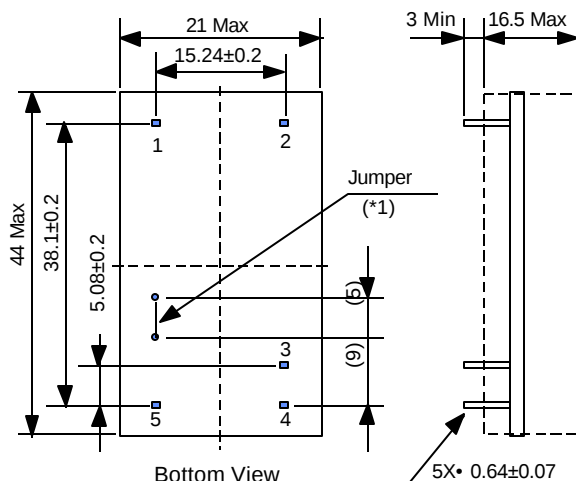
Systems using LCD displays.

Facsimile machine reading function.

Portable data-collection terminals.

Automotive displays.

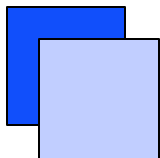
DIMENSIONS :



*1 Removed to Isolate Input and Output Ground

Unit : mm

Pin	Symbol	Note
1	Vin	0 ~ 6 Vdc
2	GND	0 Vdc
3	Iout1	
4	Iout2	
5	Iout-ret	

**ELECTRICAL CHARACTERISTICS :**

Parameter	Symbol	Conditions			Appli- cation	Specifications			Unit	Note
		Vin (V)	Ta (°C)	RL (kΩ)		min.	typ.	max.		
Output Current	Iout	5±1%	23±5	30	A	9	10	11	mArms	
						8	10	12		
Input Current	Iin	5±5%	-10 ~ 60	23 ~ 37		-	0.8	1.2	Adc	
Frequency	FL					25	30	35	kHz	
Open Voltage	Vopen					∞	800	900	-	Vrms
Output Current	Iout	5±1%	23±5	50	B	5.2	6	6.6	mArms	
						4.6	6	7.2		
Input Current	Iin	5±5%	-10 ~ 60	38 ~ 62		-	0.51	0.77	Adc	
Frequency	FL					30	35	40	kHz	
Open Voltage	Vopen					∞	800	900	-	Vrms
Output Current	Iout	5±1%	23±5	60	C	4.5	5	5.6	mArms	
						4	5	6.1		
Input Current	Iin	5±5%	-10 ~ 60	45 ~ 75		-	0.45	0.68	Adc	
Frequency	FL					25	30	35	kHz	
Open Voltage	Vopen					∞	800	900	-	Vrms
Output Current	Iout1	5±1%	23±5	60	D	4.5	5	5.5	mArms	
	Iout2									
	Iout1	5±5%	-10 ~ 60	45 ~ 75		4	5	6	mArms	
	Iout2									
Input Current	Iin	5±5%	-10 ~ 60	45 ~ 75		-	0.8	1.2	Adc	
Frequency	FL					25	30	35	kHz	
Open Voltage	Vopen					∞	800	900	-	Vrms

APPLICATION