

MATING CONNECTORS:

REF.	DESCRIPTION	PART NUMBER	MFG.
CN-1	INPUT HOUSING TERMINAL	51021-0500 50079-8000	MOLEX
CN-1	INPUT HARNESS	BXC-10549	JKL
CN-2	OUTPUT HOUSING TERMINAL	BHR-03VS-1 SBH-001T-P0.5	JST
CN-2	OUTPUT HARNESS	BXC-10643	JKL

OPERATING CHARACTERISTICS:

INPUT VOLTAGE RANGE: 10.0 Vdc To 14.0 Vdc
NOMINAL INPUT POWER: 1.8 WATTS
OUTPUT DIMMING RANGE (R MODE): 33% TO 100%
OUTPUT DIMMING RANGE (V MODE): N/A
OPERATING TEMPERATURE RANGE: 0°C TO 60°C
STORAGE TEMPERATURE RANGE: -20°C TO 70°C

ABSOLUTE MAXIMUM RATINGS:

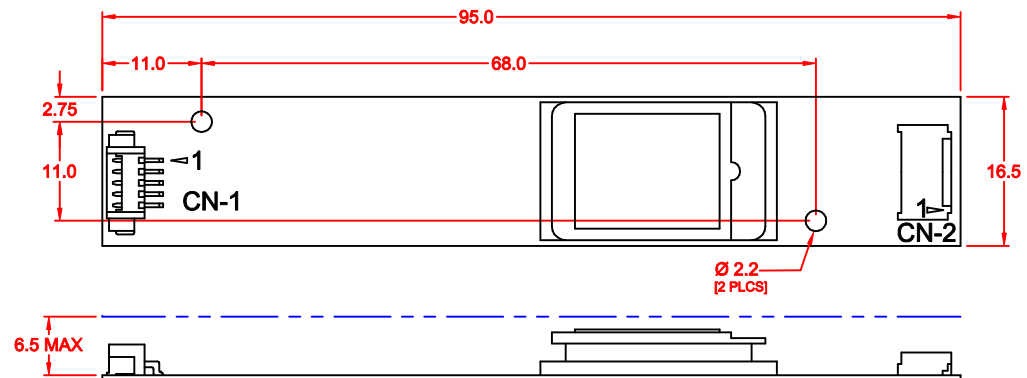
MAXIMUM INPUT VOLTAGE: 16.0 Vdc
MAXIMUM RELATIVE HUMIDITY: 95%

REV.	DESCRIPTION/ECO NO.	DATE
	ENGR. RELEASED TO CAD	8/5/04

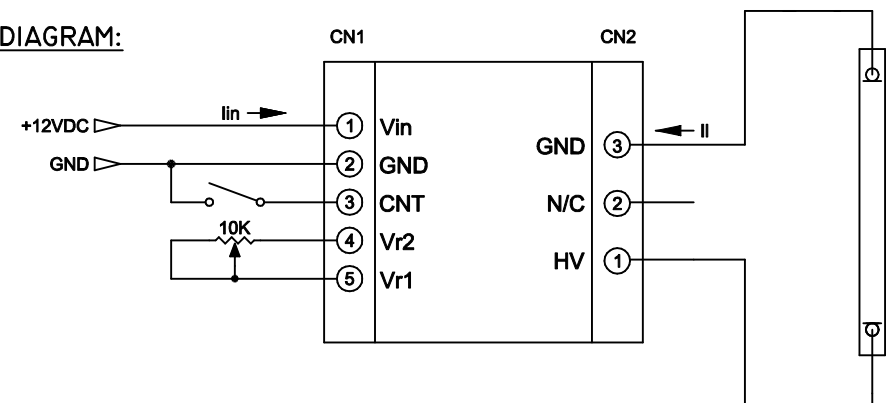
PERFORMANCE SPECIFICATIONS:

DESCRIPTION	SYM	MIN	TYP	MAX	UNITS
INPUT VOLTAGE	V _{IN}	10.0	12.0	13.2	V DC
INPUT CURRENT	I _{IN}	100	150	200	MA DC
OUTPUT VOLTAGE	V _L	900	1000	---	V RMS
OUTPUT CURRENT	I _L	2.5	3.0	3.5	MA RMS
OSC. FREQUENCY	F _o	40	50	60	K HZ

TESTED WITH 1 EACH 3MM X 164MM LAMP, AT 25°C, V_{IN}= 12.0V ± 0.1V.



WIRING DIAGRAM:



CONTROL FUNCTIONS:

CNT (INPUT PIN 3) IS USED AS AN INHIBIT FUNCTION, "GND" EQUALS ON. "+V" OR "OPEN" EQUALS OFF.

R MODE DIMMING: VRI AND VR2 (INPUT PINS 4 AND 5) ARE USED TO PROVIDE, THE DIMMING FUNCTION, "0" OHMS EQUALS 100% LIGHT OUTPUT, "10K" OHMS EQUALS 33% LIGHT OUTPUT.

NOTE: THE SWITCH AND POTENTIOMETER SHOWN ON THE WIRING DIAGRAM ARE NOT A PART OF THE BXA-12592-3M INVERTER. THESE PARTS ARE AVAILABLE FROM MOST ELECTRONIC PARTS DISTRIBUTORS.

METRIC  THIRD ANGLE PROJECTION	DIMENSIONS ARE IN MILLIMETERS		JKL COMPONENTS CORPORATION TITLE 12V DC INPUT, SINGLE OUTPUT, DIMMING CCFL INVERTER					
	TOLERANCE UNLESS OTHERWISE SPECIFIED 1 PL +/- REF. 2 PL +/- ANGLE +/- 0							
DRAWN BY L. WENGSTROM	APP'VD BY J.K.	DATE 8/5/04	SIZE A	FSCM NO. 55335	DRAWING NO. BXA-12592-3M			
- CAD DRAWING - MANUAL REVISIONS NOT PERMITTED			SCALE NONE	RELEASED DATE 8/5/04	REVISION DATE	REV. NO.	SHEET 1 OF 1	