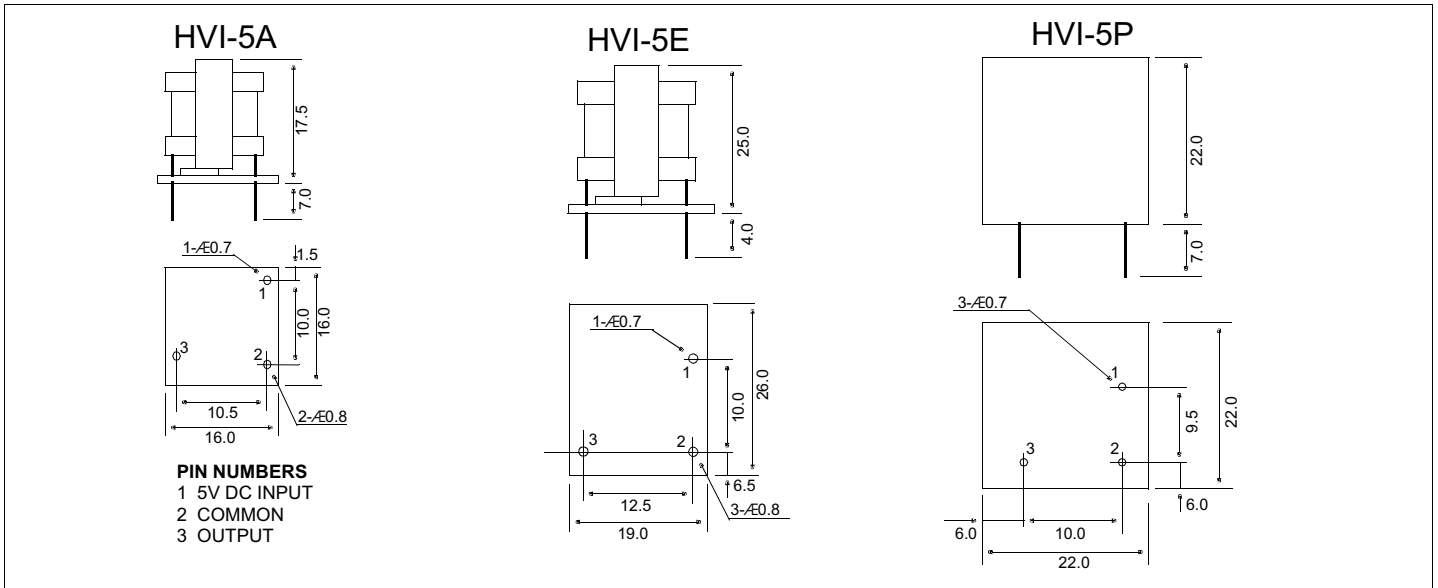


# INVERTERS FOR EL BACKLIGHTS



## Absolute Maximum Ratings

PARAMETER	HVI-5A	HVI-5P	HVI-5E	UNIT
INPUT VOLTAGE	7	6.5	6	V
E.L. AREA	25	80	130	Cm <sup>2</sup>
STORAGE TEMP.	-20~70	-20~70	-20~70	°C
OPERATING TEMP.	-10~60	-10~60	-10~60	°C

## Compatibility Chart for EL Inverters

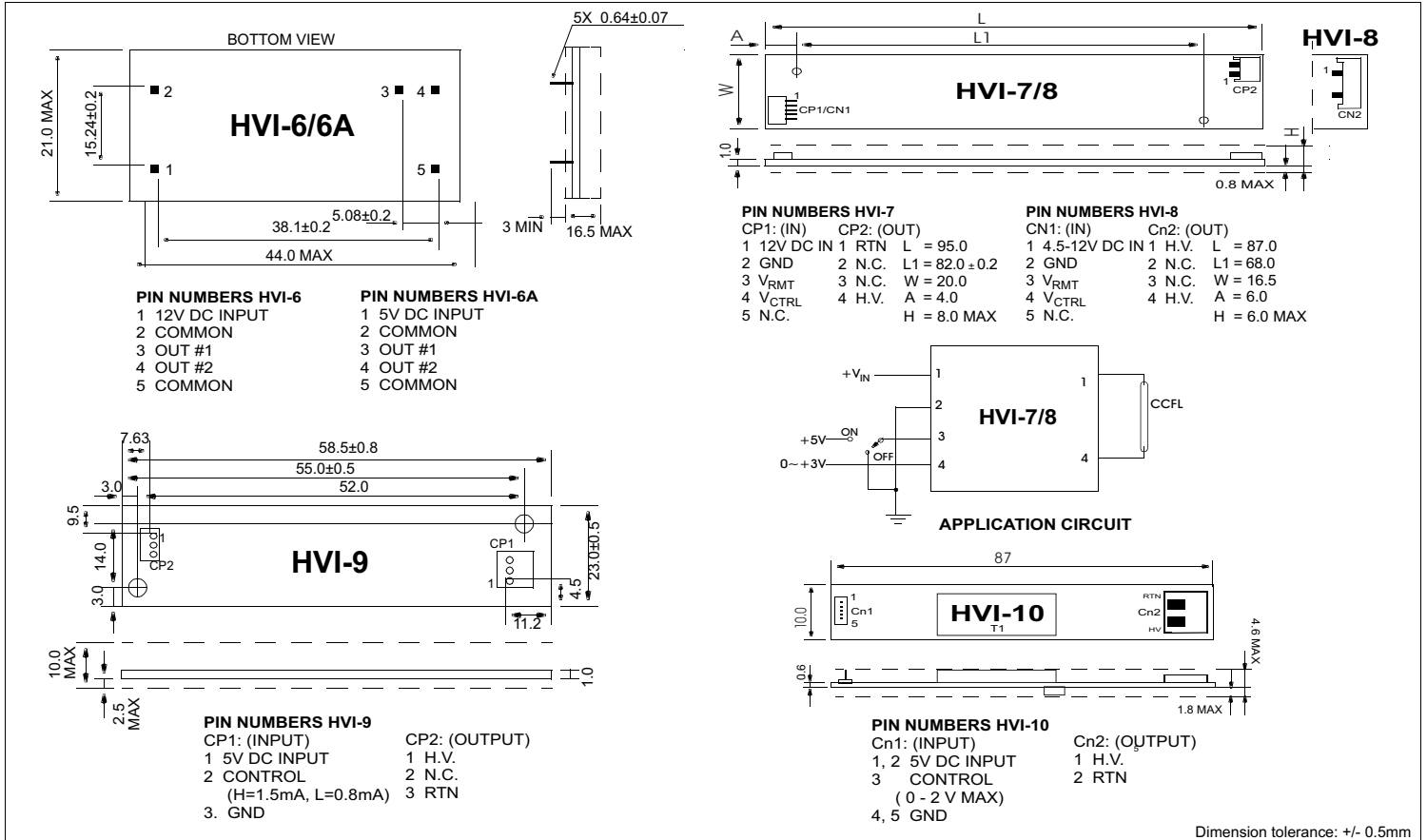
DISPLAY SIZE	HVI-5A	HVI-5E	HVI-5P
8x1	®		
8x2	®		
16x1	®		
16x1-7	®		
16x2-2	®		
16x2-4			®
16x4	®		
20x2	®		
20x2-L			®
20x4			®
24x2	®		
24x4			®
40x1			®
40x2			®
40x4			®
122x32			®
128x32			®
128x48			®
128x64			®
128x128			®
150x32			®
240x160			®
240x200			®
240x320			®
320x240 (small)		®	
ALL OTHER GRAPHICS		®	

## Electrical Characteristics for EL Inverters

(5V, 25°C, 20cm<sup>2</sup>)

PARAMETER	HVI-5A	HVI-5P	HVI-5E	UNIT
INPUT VOLTAGE	3~6	3~6	3~6	V
E.L. AREA	5~20	25~70	60~120	Cm <sup>2</sup>
OSC. FREQUENCY	320 TYP	420 TYP	400 TYP	Hz
OUTPUT VOLTAGE	62	91.5	90	V
INPUT CURRENT	30	57	200	mA
OUTPUT CURRENT	1.7	7.6	12	mA
E.L. ½ LIFETIME	2000	-	2000	HR
INITIAL BRIGHTNESS	40	-	40	cd/m <sup>2</sup>

# INVERTERS FOR CCFL BACKLIGHTS



## Electrical Characteristics for CCFL Inverters (25°C)

PARAMETER	SYMBOL	HVI-6			HVI-6A			HVI-7			HVI-8			HVI-9			HVI-10			UNIT	
		MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX	MIN	TYPICAL	MAX		
INPUT VOLTAGE	V <sub>IN</sub>	10.8	12.0	14.0	4.5	5.0	6.0	10.0	12.0	15.0	4.5	5~12	12.0	-	5.0	-	3.0	-	5.0	V	
INPUT CURRENT	I <sub>IN</sub>	-	180.0	250.0	-	420.0	-	-	540.0	550.0	-	-	400.0	180.0	220.0	250.0	-	-	400.0	mA	
OSC. FREQUENCY	F <sub>O</sub>	-	30	-	-	30	-	35	45	55	35	45	55	-	62.0	61.0	-	50	55	65	kHz
OUTPUT V (STARTING)	V <sub>ST</sub>	-	900	-	-	900	-	1425	-	-	1425	-	-	-	-	-	-	750	-	-	V
OUTPUT V (OPERATING)	V <sub>OUT</sub>	-	-	-	-	-	-	-	-	-	-	1100	-	-	170/64.0	-	-	270	-	-	V <sub>rms</sub>
OUTPUT CURRENT	I <sub>OUT</sub>	4.0	5.0	6.1	4.0	5.0	6.1	5.4	6.0	6.6	0.3	3.0	3.5	-	1.5/0.8	-	2.50	2.75	3.0	mArms	
EFFICIENCY	h	-	80	-	-	80	-	-	-	-	-	-	-	-	-	-	-	80	85	-	%

## Compatibility Chart for CCFL Inverters

CCFL INVERTER	HANTRONIX PART NUMBER			
HVI-6 or HVI6A	HDM3224-1,2,3	HDM64GS24Y-4,7	HDM128GS24Y-1 HDM3224-7,C	HDM6448-1,S,6
HVI-7	HDM3224-6,CL	HDM6448C	HDM6448SC	-----
HVI-8	HDM3224C-S	HDM6424-C	-----	-----
HVI-9/HVI-10	HDM3224C-S-LP	-----	-----	-----

## Jumper Configurations for CCFL Inverter HVI-6

PART NUMBER	JUMPERS
HDM64GS24Y (ALL VERSIONS)	CONNECT PINS 4 & 5 TOGETHER OUTPUT ON PINS 3 & 5
HDM128GD24Y (ALL VERSIONS)	CONNECT PINS 4 & 5 TOGETHER OUTPUT ON PINS 3 & 5
HDM3224 (ALL VERSIONS)	CONNECT PINS 4 & 5 TOGETHER OUTPUT ON PINS 3 & 5
HDM6448 (EXCEPT HDM6446SC)	CONNECT PINS 3 & 4 TOGETHER OUTPUT ON PINS 3 & 5
HDM640CN03C-S	CONNECT PINS 3 & 4 TOGETHER OUTPUT ON PINS 3 & 5