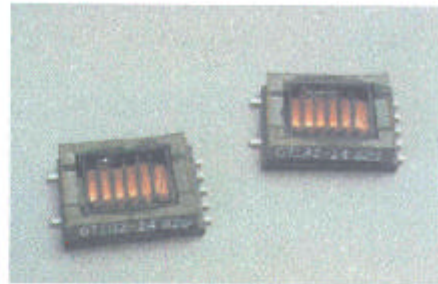


# 14 mm WIDE INVERTER TRANSFORMER FOR LCD BACKLIGHTING

MODEL NO. : SIT18156-14 / SIT08160-14

## FEATURES:

- \* EASY SURFACE MOUNTING AND COMPATIBLE WITH IR REFLOW SOLDERING.
- \* LOW PROFILE (5mm HEIGHT).
- \* HIGH VOLTAGE RESISTANT AND RELIABLE DUE TO MULTI-DIVISIBLE CONSTRUCTION.
- \* FLOATING TYPE CIRCUIT.



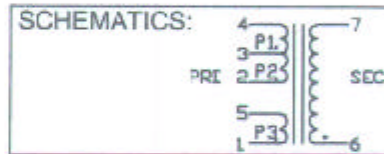
## APPLICATION :

- \* 12.1" LCD PANNEL.
- \* 13.3" LCD PANNEL.
- \* 14.1" LCD PANNEL.
- \* DIGITAL CAMERA.
- \* PERSONAL DIGITAL ASSISTANTS.

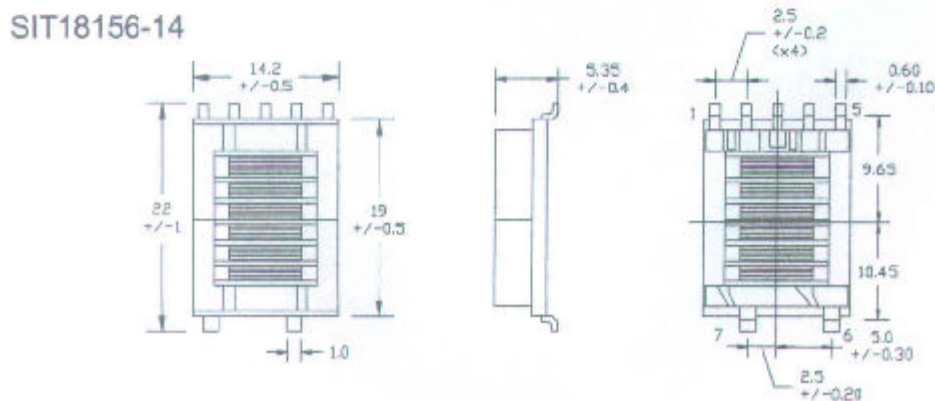
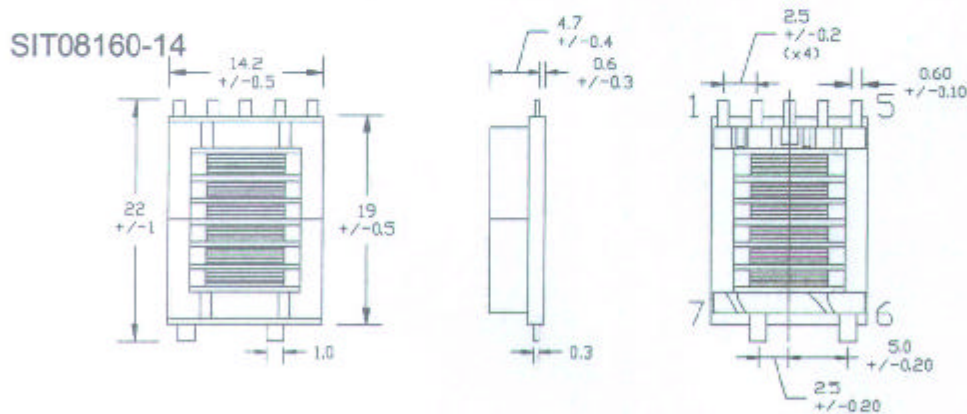
## ELECTRICAL SPECIFICATION : (CEPH145B / EPS145B COMPATIBLE)

MODEL NO.	MAX. OPEN VOLTAGE	MAX. LAMP WATTAGE	OPERATIONAL FREQUENCY	COUPLING COEFFICIENT	EFFICIENCY
SIT08160-14	1800Vrms	4W	40KHz~300KHz	96%	85%
SIT18156-14					

MODEL NO.	TURNS				INDUCTANCE SEC
	P1	P2	P3	SEC	
SIT08160-14	8	8		1800	220mH
SIT18156-14	18	18	6	1544	



## PHYSICAL DIMENSION:( UNIT: mm)



**ENVIRONMENTAL PERFORMANCE**

ITEM	TEST	CONDITION
1	Storage life	Temperature : -20°C ~ +85°C. Duration : 240 hours each.
2	Static humidity	Precondition at +25°C for 60 minutes. After 96 hours at +40°C temperature and 90% relative humidity, allow to dry at room ambient for 4 hours.
3	Temperature cycling	One cycle shall consist of: (1) 30 minutes at temperature -30°C (2) 15 minutes maximum at room ambient. (3) 30 minutes at temperature +85°C. (4) 15 minutes maximum at room ambient. Subject samples to 10 cycles. Test per applicable device specification after a 4 hours stabilization at room ambient.
4	Vibration test	Vibration frequency : 10 ~ 50 ~ 10 Hz. All amplitude : 1.5mm/1 minute. Direction : x,y,z (one hour each).
5	Solderability test	Solder pot at 230°C±5°C, with kester 1544 solder flux. dip parts into solder pot containing 63/37 molten alloy for 5 seconds±1 second. Wetting must occur on a minimum of 90% of the terminations.
6	Operating temperature (including transformer heat)	-10°C TO +85°C.
7	Storage temperature	-20°C TO +85°C