



# Frontier Electronics Corp.

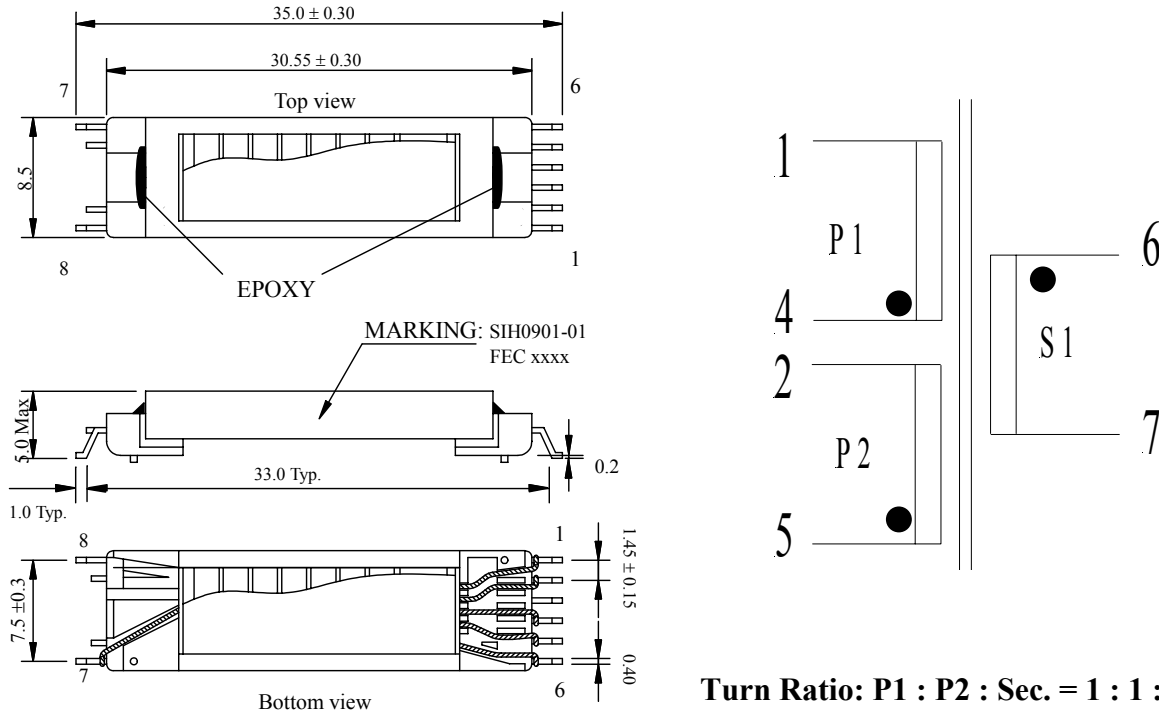
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## CCFL Inverter Transformer—SIH0901-01

### A. Electrical specification:

Part No.	Mark	Suitable Frequency	Max. Open Voltage	Max. Lamp Watt.	Efficiency
SIH0901-01	SIH0901-01	40KHz~200KHz	1600 V rms.	3W	78%

### B. Schematics and Mechanical dimensions: (Unit: mm)



### C. Electrical Data:

Winding	Start	Finish	L (@ 100KHz, 1.0V)	DCR Ω (@25°C)
P1	4	1	16 uH ± 25 %	0.230 Max.
P2	5	2	16 uH ± 25 %	0.230 Max.
S1	6	7	430 mH ± 25 %	1.230 Max.

### D. Insulation:

Term	Item	Spec.	Condition
Hi-Pot	Primary to Secondary	500 VAC / 1 Minute	@Cut off current=5mA
	Secondary to Core	1500 VAC / 1 Minute	
Isolation	Primary to Secondary	100 MOHM Min.	@ 500 VDC
	Secondary to Core		

### E. Features:

- Low profile height: Maximum 5.0mm.
- High efficiency.
- Surface mount.
- Suitable for standard IR re-flows soldering.

### F. Uses:

- Black Light power supplies transformer available
- Personal Computer.

Note: **RoHS** compliant; for the **ROHS** parts, we add “-LFR” at the end of the P/N.