Frontier Electronics Corp.

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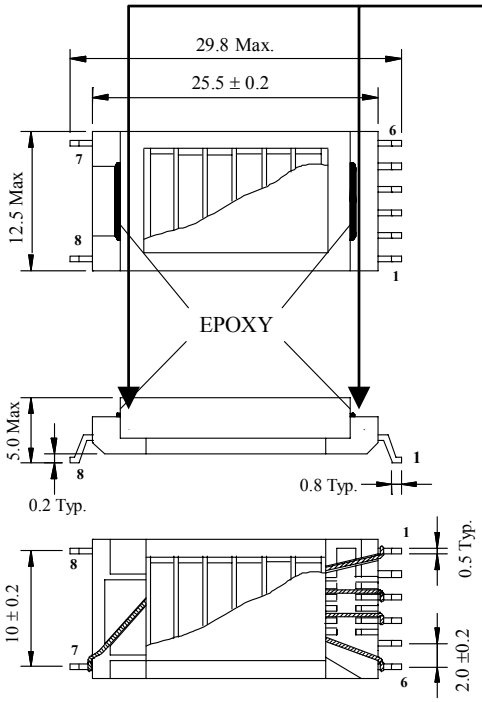
CCFL Inverter Transformer—SIH1202-01

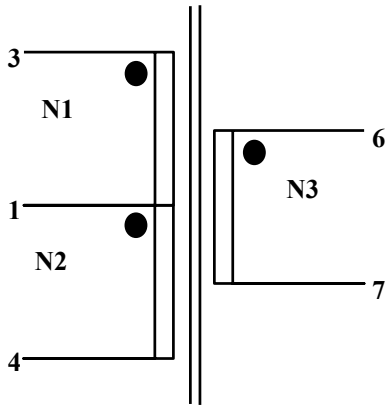
A. Electrical specification:

Part No.	Mark	Suitable Frequency	Max. Open Voltage	Max. Lamp Watt.	Efficiency
SIH1202-01	SIH1202-01	40KHz~200KHz	1600Vrms	3.5W	80%

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

MARKING: **"SIH1202-01"**
"FEC XXXX"





Primary **Secondary**

Turn Ratio: Pri. (Tap) : Sec. = 1 : 80.36

C. Electrical Data:

Winding	Start	Finish	L (@ 30KHz, 1.0 V)	DCR Ω(@25°C)
P1	1	4	266 uH ± 15 %	0.740 Max.
P2	3	1	266 uH ± 15 %	0.740 Max.
S1	6	7	1.65 H ± 15 %	806 Max.

D. Insulation:

Term	Item	Spec.	Condition
Hi-Pot	Primary to Secondary	600 VAC / 1 Minute	@Cut off current=5mA
	Pri. To Core / Sec. to Core	1000 VAC / 1 Minute	
Isolation	Pri. to Sec. / Pri. To Core / Sec. to Core	100 MΩ Min.	@ 500 VDC

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.