



Frontier Electronics Corp.

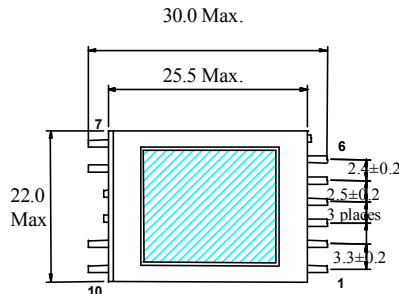
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CCFL Inverter Transformer—SEC2021-01

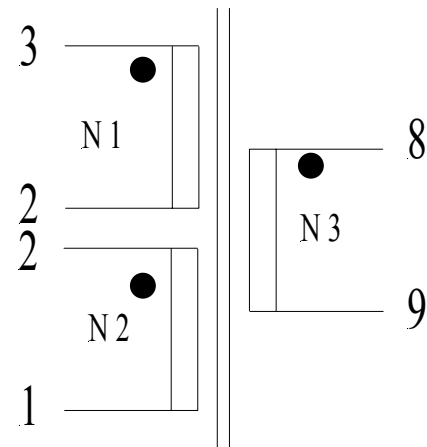
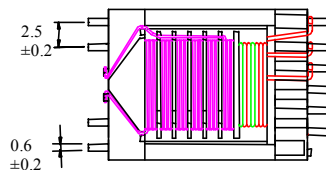
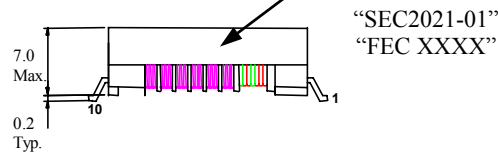
A. Electrical specification:

Part No.	Marking	Suitable Frequency	Max. Open Voltage	Max. Lamp Watt.	Efficiency
SEC2021-01	SEC2021-01	40KHz~200KHz	1600Vrms	6W	80%

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



MARKING:



Turn Ratio:

$$N1 : N3 = N2 : N3 = 1 : 233.33$$

C. Electrical Data:

Winding	Start	Finish	L (@ 1KHz,1.0V)	Lk (@ 1KHz,1.0V)	DCR Ω (@25°C)
N1	3	2	11.5 uH ± 15 %		0.070 Max.
N2	2	1	11.5 uH ± 15 %		0.070 Max.
N3	8	9	480 mH ± 10 %	228 mH ± 10 %	1200 Max.

D. Insulation:

Term	Item	Spec.	Condition
Hi-Pot	N1 & N2 to N3	1200 VAC / 1 Minute	@Cut off current=5mA
	N1, N 2 & N3 to Core		
Isolation	N1 & N2 to N3	100 M-OHM MIN.	@500 VDC
	N1, N 2 & N3 to Core		

E. Features:

- Low profile height: Maximum 7.0mm.
- 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.