



Frontier Electronics Corp.

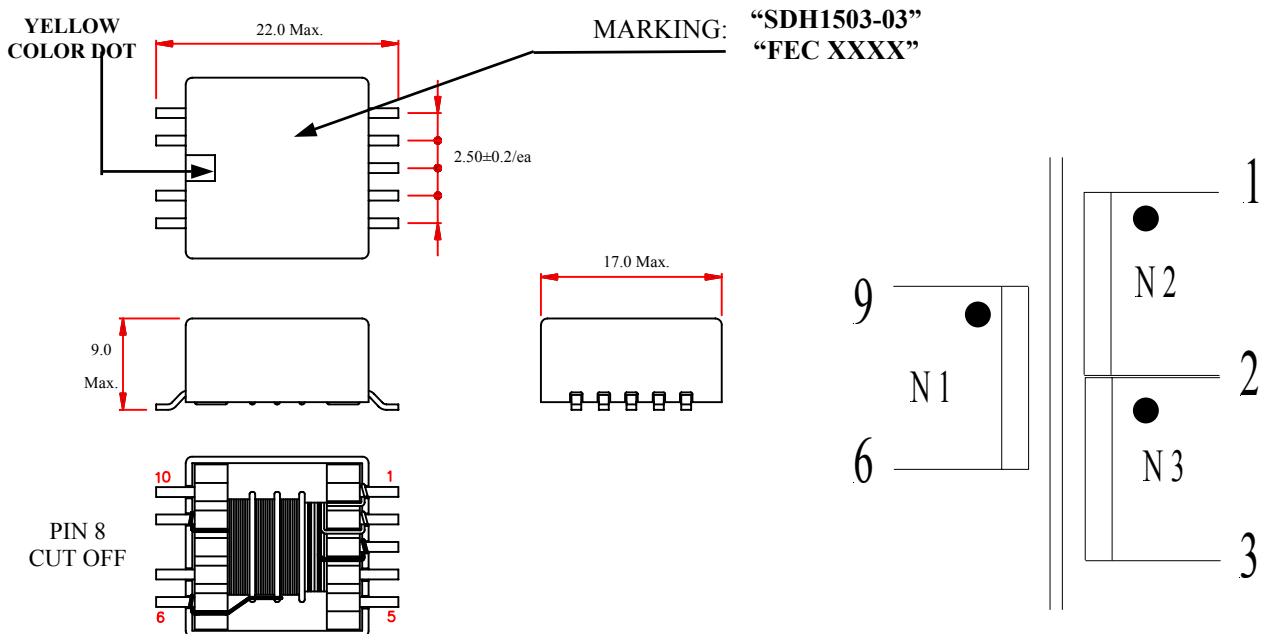
667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
 TEL: (805) 522-9998 FAX: (805) 522-9989
 E-mail: frontiersales@frontierusa.com
 Web: frontierusa.com

CCFL Inverter Transformer—SDH1503-03

A. Electrical specification:

Part No.	Marking	Suitable Frequency	Max. Open Voltage	Max. Lamp Watt.	Efficiency
SDH1503-03	SDH1503-03	40KHz~150KHz	1300Vrms	2.5w	75%

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



Turn Ratio:

$$N1 : N2 = N1 : N3 = 1 : 137.86$$

C. Electrical Data:

Winding	Start	Finish	L (@ 1KHz, 1.0V)	DCR Ω (@25°C)
N1	9	6	3.5 H \pm 25 %	530 Max.
N2	1	2	0.18 mH \pm 25 %	0.17 Max.
N3	2	3	0.18 mH \pm 25 %	0.17 Max.

D. Insulation:

Term	Item	Spec.	Condition
Hi-Pot	N1 to N2 & N3	1800 VAC / 1 Minute	@Cut off current=5mA
	N 2 & N3 to Core	500 VAC / 1 Minute	
Isolation			

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.
- LCD panel.

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