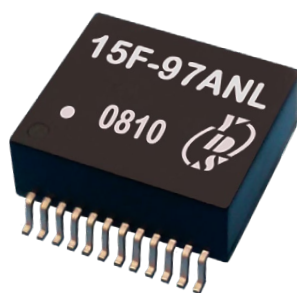


FEATURES:

- Designed for long haul Gigabit Ethernet 10G Base-T, full duplex applications
- IEEE 802.3af&at/ANSI X3.263 compliant performance
- Suitable for End-span and Mid-span PoE applications
- 350&600&1000mA current capability
- Designed for IP phone or switch applications
- Compact footprint
- Designed to withstand IR reflow temperatures up to 235°C
- Recognized by UL 60950-1



YUAN DEAN SCIENTIFIC



LAN Filters

PoE 15FB-10G SERIES

10G Base-T

PoE & PoE+ & PoE++

SMD



Electrical Specifications @25°C-Operating Temperature 0°C to 70°C

Part Number	Insertion Loss (dB TYP)	Return Loss (dB min @100 Ω)		Common to Differential Mode Rejection (dB TYP)		Crosstalk (dB TYP)		POE Current	Hipot (V _{rms} min)
		1 - 500 MHz	1- 40 MHz	40-500 MHz	1-250 MHz	250-500 MHz	1-100 MHz		
15FB-97ANL	-1.2	-23	-13+30log(f/400MHz)	-30	-25	-40	-30	350mA	1500
15FB-97BNL	-2.0	-18	-17+10log(f/40MHz)	-30	-20	-40	-30	1A	1500
15FB-97CNL	-1.2	-18	-17+10log(f/40MHz)	-30	-22	-40	-30	600mA	1500

Electrical Specifications @25°C-Operating Temperature -40°C to 85°C

Part Number	Insertion Loss (dB TYP)	Return Loss (dB min @100 Ω)		Common to Differential Mode Rejection (dB TYP)		Crosstalk (dB TYP)		POE Current	Hipot (V _{rms} min)
		1 - 500 MHz	2- 40 MHz	40-500 MHz	1-250 MHz	250-500 MHz	1-100 MHz		
15FB-97BCNL	-2.0	-18	-17+10log(f/40MHz)	-30	-20	-40	-30	1A	1500

www.yds.com.tw



TEL : 886-6-3842899

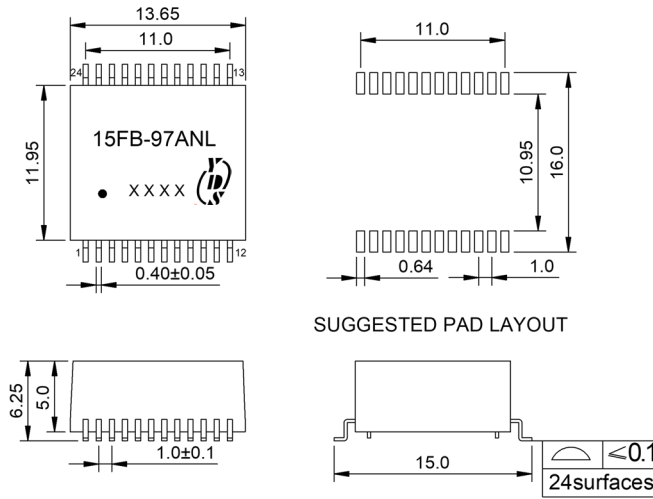
FAX : 886-6-3843288

E-MAIL: ydsweb@yds.com.tw

Rev: 3 2020/06/13

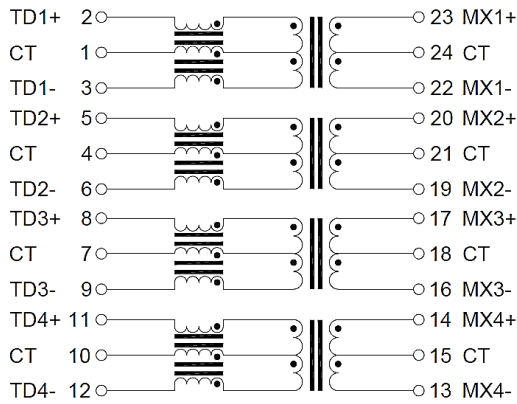
Mechanicals

15FB-97

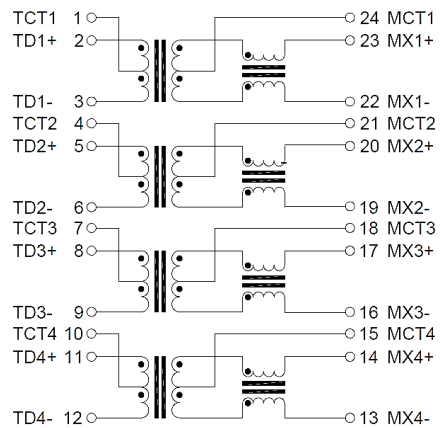


Schematics

15FB-97A



15FB-97B/15FB-97BC



15FB-97C

