

FEATURES:

- Designed for long haul Gigabit Ethernet 5G Base-T, full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3an standard
- Meet IEEE 802.3af standards with 350mA
- Meet IEEE 802.3at standards with 720mA
- Recognized by UL 60950-1



YUAN DEAN SCIENTIFIC



LAN Filters

PoE 5G SERIES

5G Base-T

PoE & PoE+

24PIN SMD



ELECTRICAL SPECIFICATIONS@25°C

Operating temperature 0°C to 70°C

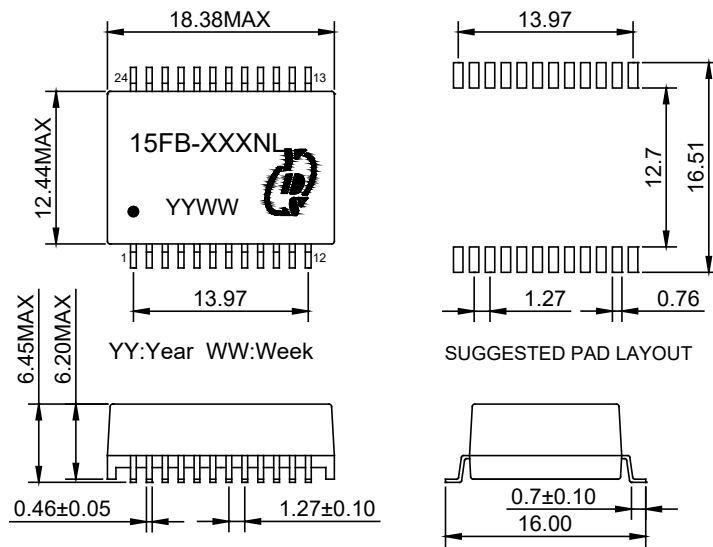
Part Number	Insertion Loss (dB Max)		Return Loss (dB Min @100 Ω)		CMR (dB Min)	Crosstalk (dB Min)		POE Current	Hipot (Vrms Min)
	50-125 MHz	125-250 MHz	1-40 MHz	40-250 MHz		1-125 MHz	125-250 MHz		
15FB-83VNL	-1.0	-1.5	-20	$-20+15\log_{10}(f/40\text{MHz})$	-30	-30	-20	350mA	1500
15FB-83WNL	-1.0	-1.5	-20	$-20+15\log_{10}(f/40\text{MHz})$	-30	-30	-20	720mA	1500

ELECTRICAL SPECIFICATIONS@25°C
Operating temperature -40°C to 85°C

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min @100 Ω)		CMR (dB Min)			Crosstalk (dB Min)		POE Current	Hipot (Vrms Min)
	50-125 MHz	125-250 MHz	1-40 MHz	40-250 MHz	1-30 MHz	100 MHz	250 MHz	1-125 MHz	125-250 MHz		
15FB-84ABNL	-1.0	-2.0	-16	$-16+10\log_{10}(f/40\text{MHz})$	-43	-35	-30	-40	-30	600mA	1500

Markings and Dimensions

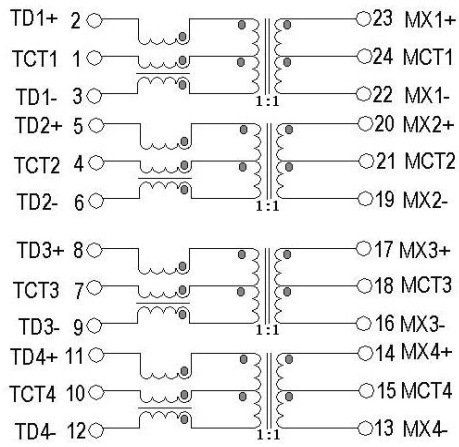
15FB(Bottom Potting)



UNIT:mm Unless otherwise specified, all tolerances are ±0.25

Schematics

15FB-83



15FB-84

