

FEATURES:

- Designed for long haul Gigabit Ethernet 10/100/1000 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 802.3ab standard
- Recognized By UL 60950-1

YUAN DEAN SCIENTIFIC

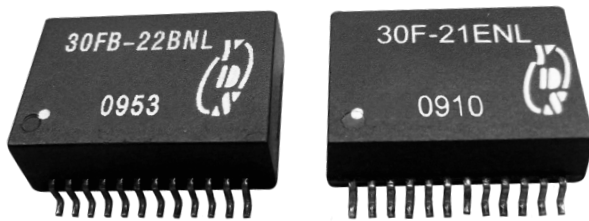


LAN Filters

30FB-2X SERIES

10/100/1000 Base-T

24PIN SOIC

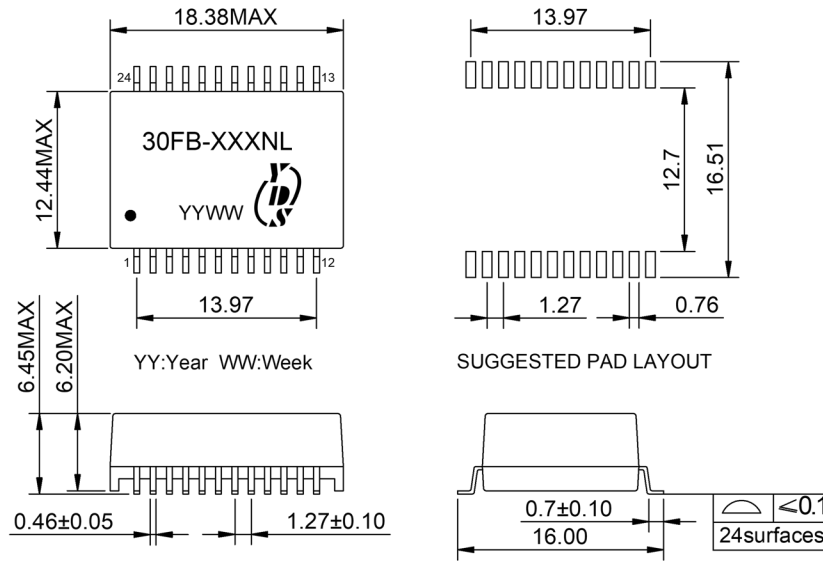


Electrical Specifications@25°C-Operating Temperature -40°C to 85°C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB min @100 Ω)					Differential to Common Mode (dB min)			Crosstalk (dB TYP)			Hipot (Vrms min)
		1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	
30FB-21NL	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-45	-40	-35	1500
30FB-22NL	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-45	-40	-35	1500

Mechanicals and Dimensions

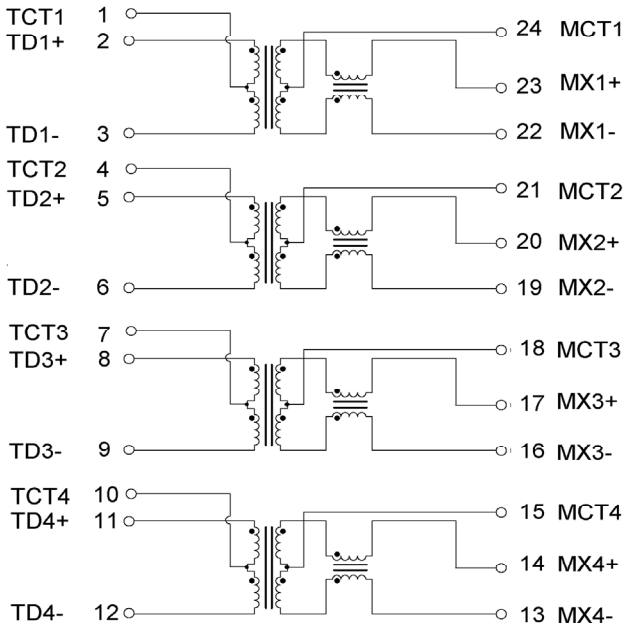
30FB



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

Schematics

30FB-21



30FB-22

