

**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.
- Recognized by UL 60950-1

**YUAN DEAN SCIENTIFIC**



**LAN Filters**

**5G SERIES**

**5G Base-T**

**24PIN SMD**



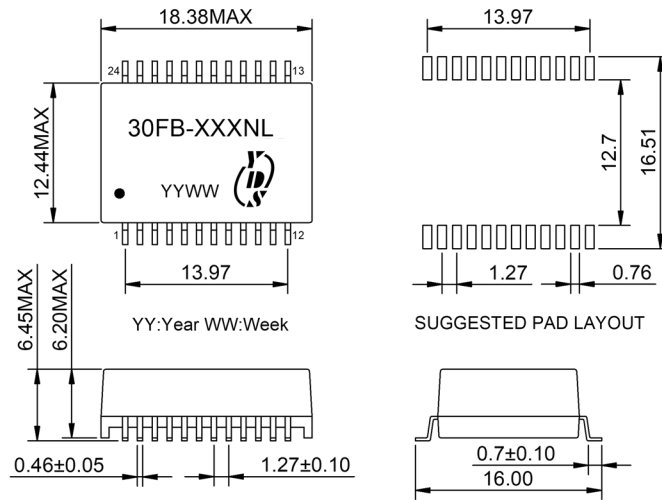
**Electrical Specifications@25°C-Operating Temperature 0°C to 70°C**

Part Number	Insertion Loss (dB MAX)		Return Loss (dB MIN @100 Ω)		DCMR (dB MIN)		Crosstalk (dB MIN)	Hipot Vrms MIN
	1-100 MHz	100-250 MHz	1-40 MHz	40-250 MHz	1-30 MHz	30-250 MHz	1-250 MHz	
30FB-2LBNL	-1.0	-2.0	-18	$-16+10\log_{10}(f/40\text{MHz})$	-48	$-44+19.2\log_{10}(f/50\text{MHz})$	$-43.1+20\log_{10}(f/100\text{MHz})$	1500



Markings and Dimensions

30FB(Bottom Potting)



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

Schematics

30FB-2LBNL

