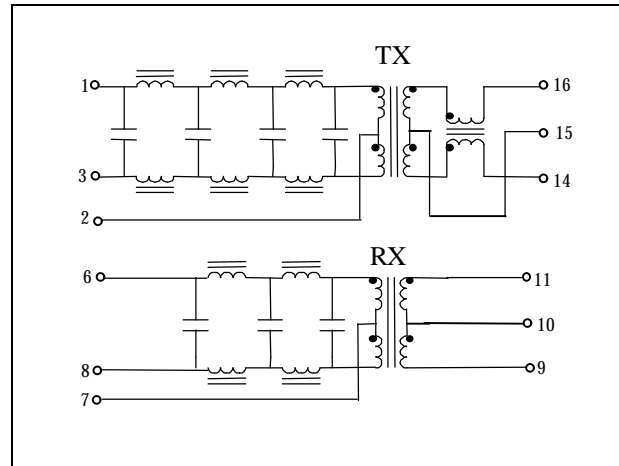


Feature

- ◆ High attenuation from 7th & 5th order filter used for TX & RX signal respectively.
- ◆ Designed to meet IEEE 802.3 requirement.
- ◆ For MAUs, hubs, and motherboard applications
- ◆ Operating temperature: 0°C to +70°C.
- ◆ Popular component , high value , low cost.
- ◆ Storage temperature: -20°C to +85°C.

Specifications @ 25°C

Parameter	Condition	Min	Typ	Max	unit
Turn Ratio(TX)			1 : 1		
(RX)			1 : 1		
Insertion loss	@1-10MHz			-1.0	dB
Attenuation(TX/RX)	@30MHz	-32/-20			dB
	@50MHz	-35			dB
	@100MHz	-35			dB
Return loss(TX/RX)	@5-10MHz	-15.0			dB
Cross talk	@1-10MHz	-35.0			dB
CMRR	@5-10MHz	-50.0			dB
	@50MHz	-40.0			dB
Isolation Voltage			1500		Vrms

Schematic

Description

The 20F001N is a low pass filter module that have been specifically designed to implement the functionality of analog interface for 10 Base-T Ethernet application .

This module integrate a number of superior low pass filter to maximize attenuation in the stopband while minimizing insertion loss ,return loss and delay distortion in the passband .

With high impedance common mode choke ,this device significantly reduce the high frequency noise level which may contribute to conducted and radiated emissions.

The transformer built in this module provide high voltage isolation to protect against static charge damage on the twist pair line.

Dimension
