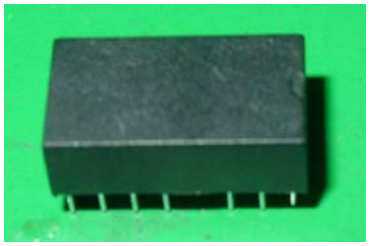
SPEC LIN

10Base-T low pass filter



- Designed to meet IEEE802.4 requir
- Isolation : 1500Vrms
- High attenuation from 7th&5th orde

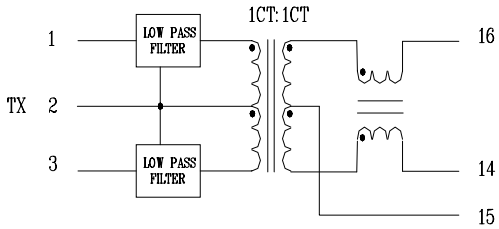
used for TX&RX signal respectively.

Specifications

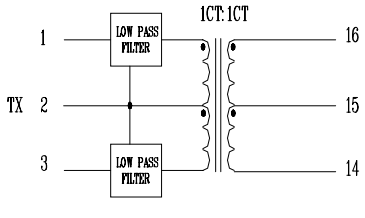
Model No: LFS16P01/LFS16P02				
Parameter	Condition	Typ	Max	Unit
Insertion loss	@1-10MHz		-1.0	dB
Return loss(TX&RX)	@5-10MHz			dB
Cut off frequency	@17MHz±2MHz	-3.0		dB
Cross talk	@1-10MHz			dB
CMRR	@1-100MHz			dB
Attenuation(TX&RX)	@30MHz			dB
	@50MHz			dB
	@100MHz			dB

Schematic:

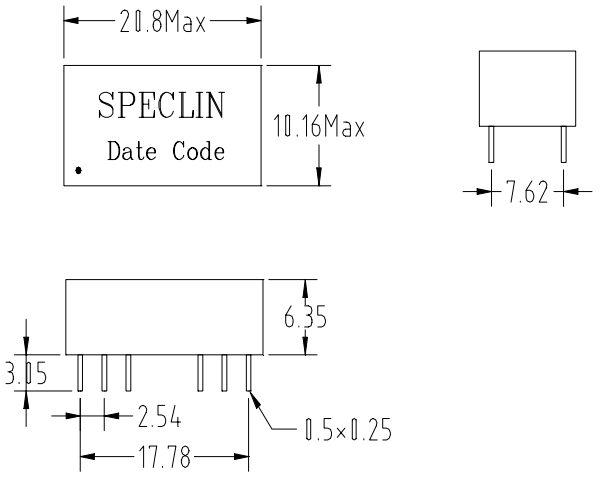
S1



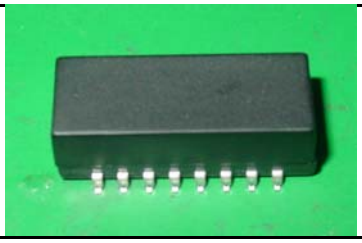
S2



Dimension: ±0.25mm



SPEC LIN 10Base T Low Pass Filter SMD type



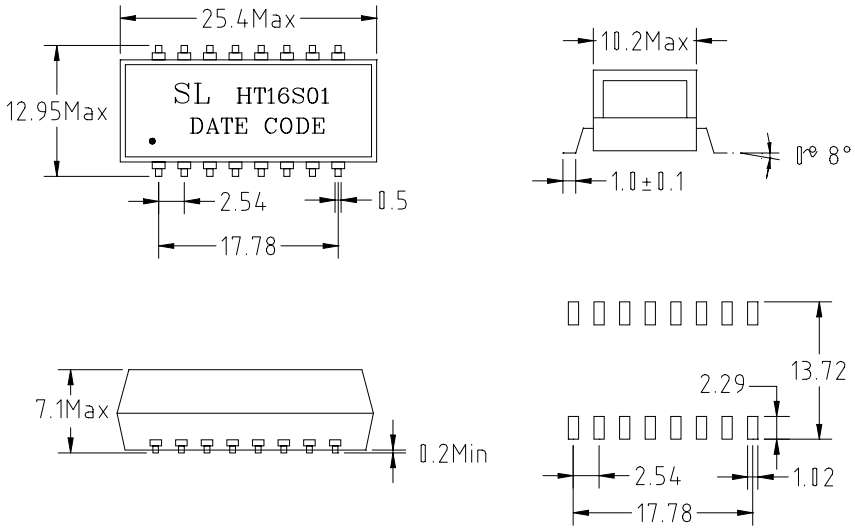
- ◆ Designed to meet IR 236 degree C Peak Requirement.
- ◆Designed to meet IEEE 802.3 Requiremen

Specifications

Part Number	Turn ratio (X'mit/Rec.)	Insertion Loss dB max.(1-	Attenuation		Schematic
			70MHz (TX/RX)	90MHz (TX/RX)	
LFS16S01	1:1/1:1	-1.0	-30/-20	-35/-35	S-1
LFS16S02	1:1.41/1:1	-1.0	-30/-20	-35/-35	S-2
LFS16S03	1:1/1:1	-1.0	-30/-10	-35/-35	S-3

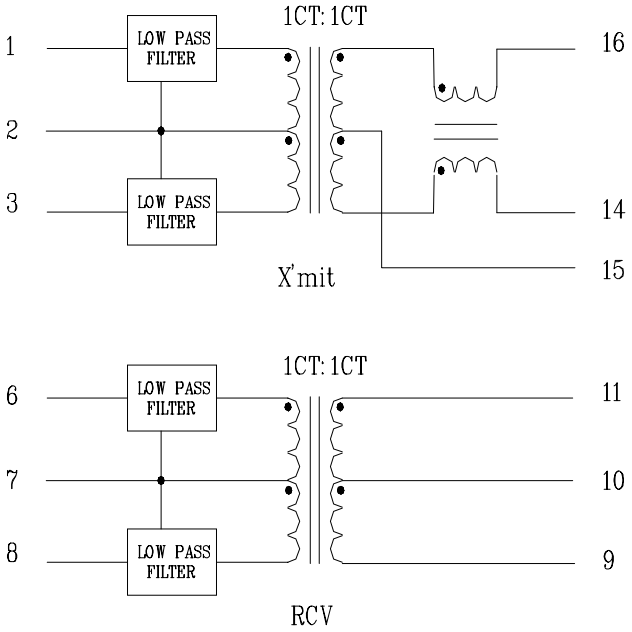
Parameter	Condition	Min.	Typ.	Max.	Unit
Return loss(TX/RX)	@5-10MHz	-15.0			dB
Isolation Voltage	1 minute	1500			Vrms
Cross talk	@1-10MHz	-35.0			dB
CMRR	@1-100MHz	-30.0			dB

Dimension : ±0.25mm

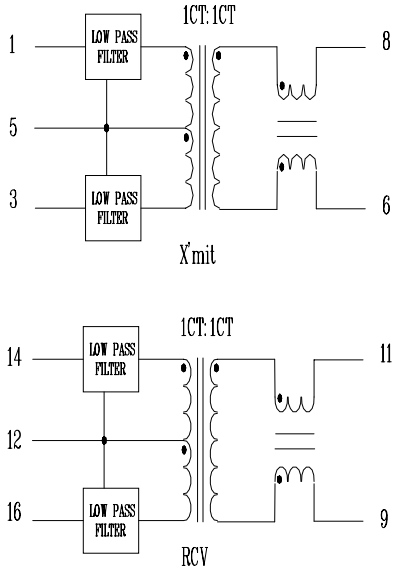


Schematic:

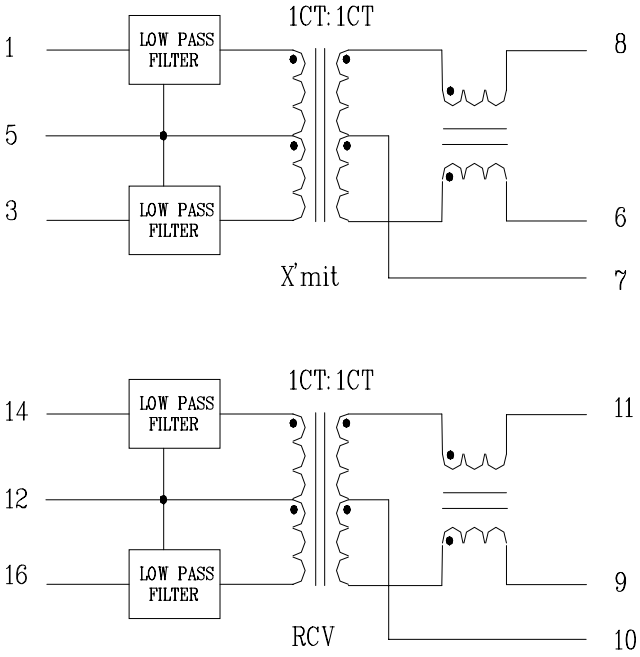
S-1



S-2

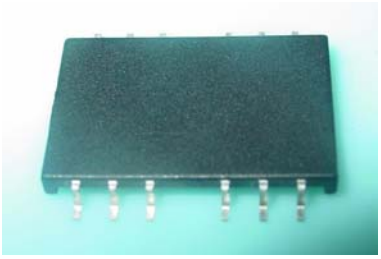


S-3



SPEC LIN

Low profile 10 BASE-T PCMCIA Filter

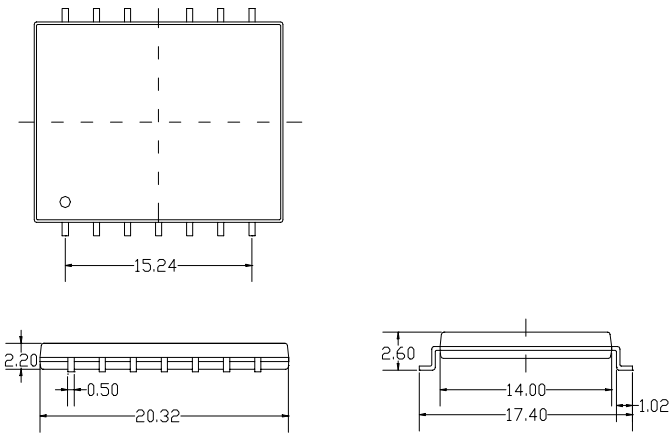


- ◆ Designed for meet IR 235 degree C P Requirement.
- ◆ Low profile SMD package.
- ◆ Pick and place compatible
- ◆ Designed to meet IEEE802.3 Require
- ◆ Optimum analog solution for 10BAS PCMCIA application.

Specifications

Part Nomber: LFS14S01				
Parameter	Condition	Typ.	Max.	Unit
Insertion loss	@1-10MHz		-1.2	dB
Attenuation(TX/RX)	@30MHz			dB
	@50MHz			dB
	@100MHz			dB
Return loss(TX/RX)	@1-10MHz			dB
Cross talk	@1-10MHz			dB
CMRR	@5-10MHz			dB
	@50MHz			dB
	@100MHz			dB
Voltage isolation	1minute			Vrms
Turn ratio				

Dimension: ±0.25mm



Schematic: