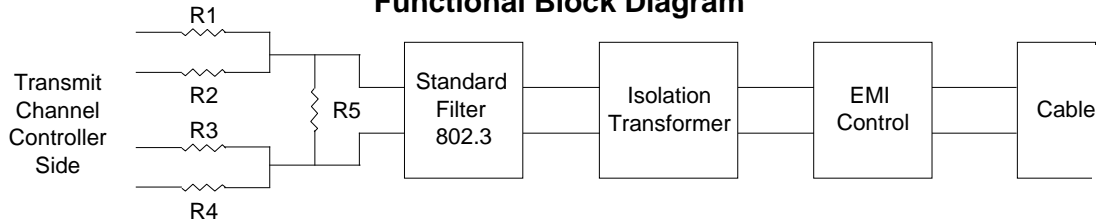


# 10 Base-T Interface Module

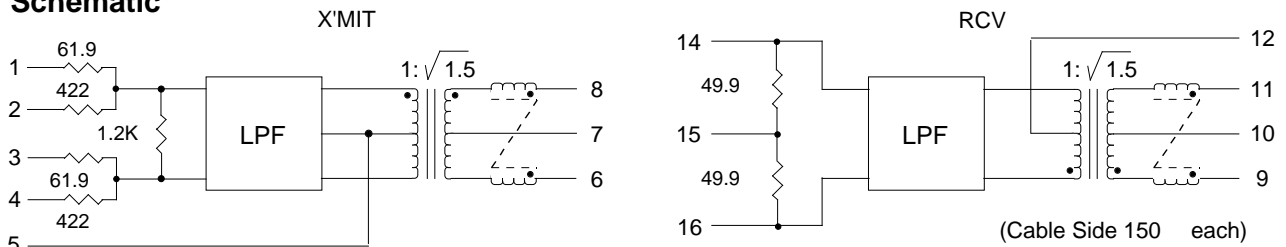
PCA Part Number(s)		EPE6070 & EPE6070G			
Electrical Specifications @ 25°C					
Parameter	Frequency	Specification	XMIT	RCV	Unit
Cut-off Frequency		17.0 ± 1.0			MHz
Insertion Loss (See Note 1)	1-10 MHz		1.0	1.0	dB Max.
Attenuation (See Note 1)	20 MHz	Ref. to Filter Output @ 5.0 MHz	7	5	dB Min.
	25 MHz		18	11	dB Min.
	30 MHz		30	16	dB Min.
	40 MHz		33	26	dB Min.
Return Loss	5-10 MHz		15	15	dB Min.
Common Mode Rejection	1-100 MHz		30	30	dB Min.
I/O Isolation		1500 (for 1 Minute)			Vrms
Hipot		500 (for 1 Minute), Xmit to Rcv			Vrms
Crosstalk	1-10 MHz	35 (Between Channels), Xmit to Rcv			dB Min.
Impedance (Input)		1:√1.5	200	50	Nom.

**Notes :** 1. For Filters only, referenced to fundamental frequency @ 5 MHz.  
2. Xmit: 7 Pole Balanced Low-pass, 100 ; Rcv: 5 Pole Balanced Low-pass, 100 .

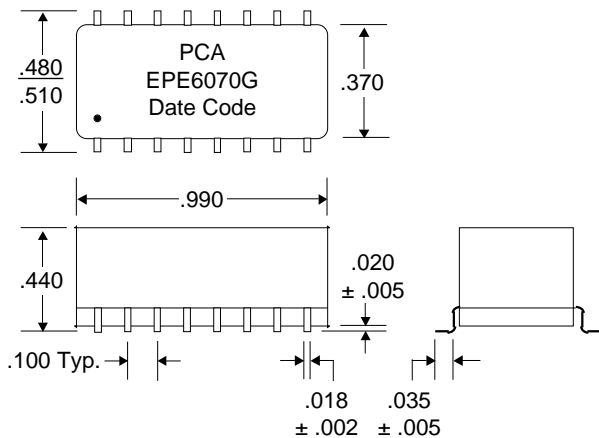
## Functional Block Diagram



## Schematic



## SMD Package



## DIL Package

