

10 Base-T Interface Module with Enhanced Common Mode Attenuation

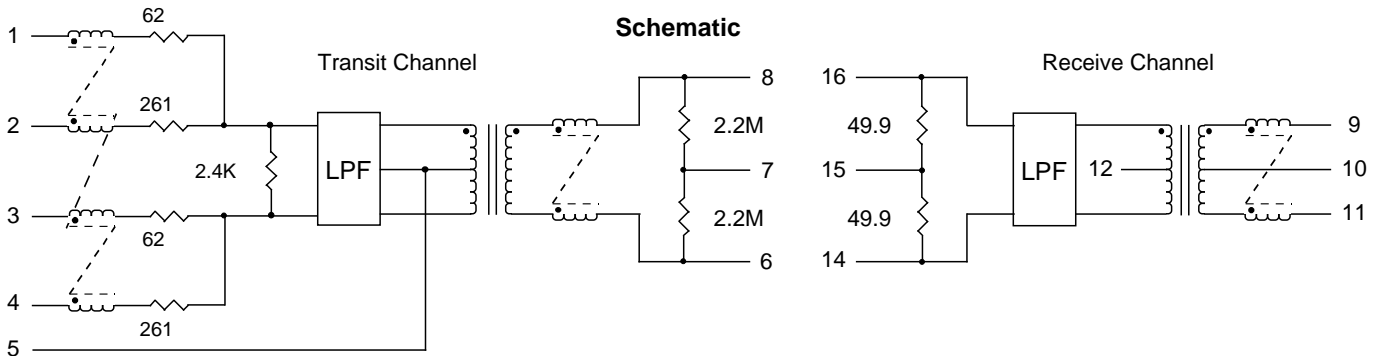
EPA2852

- 10 Base-T Filter Module •
- Available in SMD, DIP and DIL Packages •
- Complies with or exceeds IEEE 802.3, 10 Base-T Requirements •

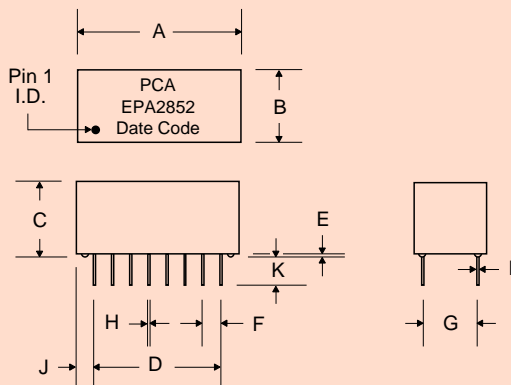
Electrical Parameters @ 25° C

Cut-off Frequency (MHz)	Insertion Loss (dB Max.)		Return Loss (dB Min.)		Attenuation (dB Min.)								Common Mode Rejection (dB Min.)		Crosstalk (dB Min.)
	@ 1-10 MHz	@ 5-10 MHz	@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz	@ 1-100 MHz	@ 1-10 MHz							
± 1.0 MHz	1-10 MHz	5-10 MHz	@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz	@ 1-100 MHz	@ 1-10 MHz							
	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
16.5	-1.5	-1.0	-15	-15	-7	-5	-17	-11	-28	-16	-33	-26	-30	-30	-35

- **Isolation** : meets or exceeds 802.3 IEEE Requirements • **Characteristic Filter Impedance** : 100 •
- Referenced to the Output Level Fundamental Frequency @ 5 MHz •



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.890	.910		22.61	23.11	
B	.390	.400		10.54	11.05	
C	.415	.435		8.38	8.89	
D	.700	Typ.		17.78	Typ.	
E	.020	.030		.508	.762	
F	.100	Typ.		2.54	Typ.	
G	.290	.305		7.37	7.75	
H	.016	.022		.406	.559	
I	.008	.012		.203	3.05	
(J)	.100	Typ.		2.54	Typ.	
K	.120	.140		3.05	3.56	