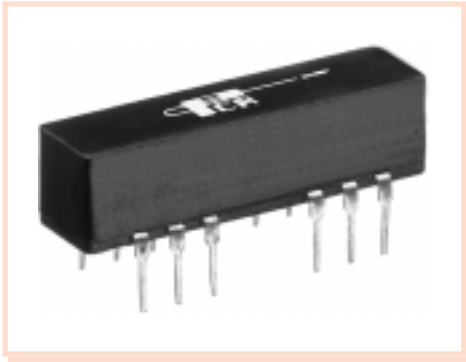


# 10 Base-T Interface Module

## EPA1533A



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

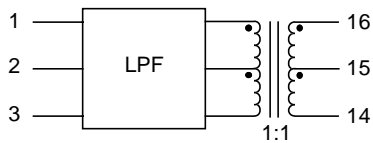
### Electrical Parameters @ 25° C

Cut-off Frequency (MHz)	Insertion Loss (dB Max.)		Return Loss (dB Min.)		Attenuation (dB Min.)								Crosstalk (dB Min.) (Between Channels)		
	1-10 MHz		5-10 MHz		@ 20 MHz		@ 25 MHz		@ 30 MHz		@ 40 MHz			@ 1-10 MHz	
Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv		
± 1.0 MHz	17	17	-1	-1	-15	-15	-7	-6	-19	-14	-30	-20	-35	-31	-30

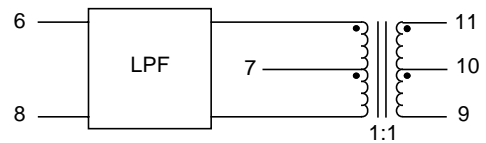
- **Isolation** : meets or exceeds 802.3 IEEE Requirements •
- **Characteristic Filter Impedance** : 100 Ω •
- Referenced to the Output Level Fundamental Frequency @ 5MHz •

### Schematic

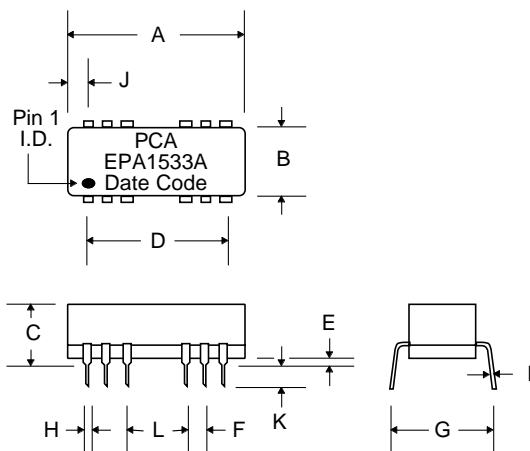
#### Transmit Channel



#### Receive Channel



### Package



### Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.860	.880		21.84	22.35	
B	.260	.280		6.60	7.11	
C	.280	.300		6.60	7.11	
D	.700	Typ.		17.78	Typ.	
E	.020	.030		.508	.387	
F	.100	Typ.		2.54	Typ.	
G	.310	.375		7.87	9.53	
H	.018	.022		.457	.559	
I	.008	.012		.203	.305	
J	.135	Typ.		3.43	Typ.	
K	.125	.150		3.18	3.81	
L	.300	Typ.		7.62	Typ.	