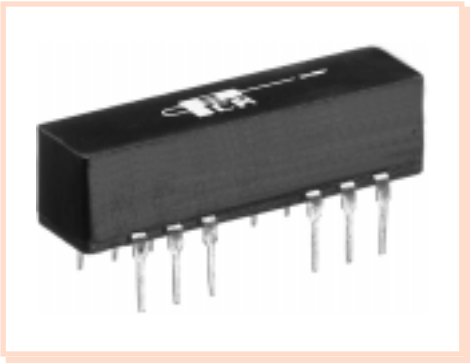
10 Base-T Interface Module

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 •

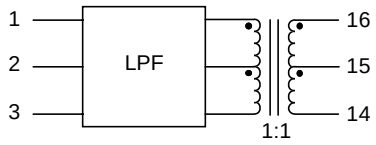
Electrical Parameters @ 25° C

Cut-off Frequency (MHz)		**Insertion Loss** (dB Max.)		**Return Loss** (dB Min.)		**Attenuation** (dB Min.)								**Crosstalk** (dB Min.) (Between Channels)
± 1.0 MHz		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	
17	17	-1	-1	-15	-15	-7	-6	-19	-14	-30	-20	-35	-31	-30

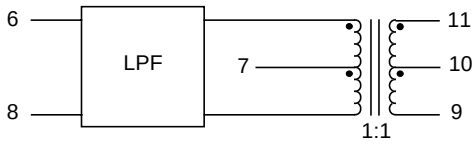
• **Isolation** : meets or exceeds 802.3 IEEE Requirements • **Characteristic Filter Impedance** : 100 Ω •
• Referenced to the Output Level Fundamental Frequency @ 5MHz •

Schematic

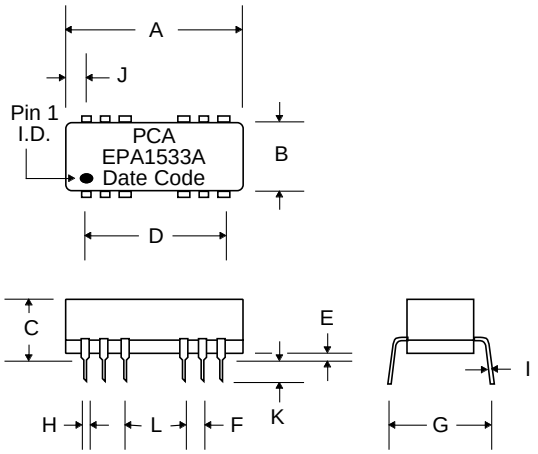
Transmit Channel



Receive Channel



Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) 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.	

PCA ELECTRONICS, INC.
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CSA1533Aa Rev. - 5/23/97

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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