

10 Base-T Interface Module

EPE6192GE



- General purpose 10 Base-T Filter Module •
- Operating Temperature Range : -40°C to +85°C •
- Robust construction allows toughest reflow processing •
- Complies with or exceeds IEEE 802.3, 10 Base-T Requirements •

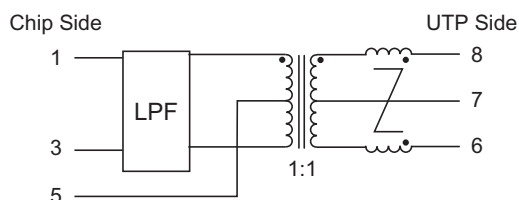
Electrical Parameters @ 25°C

Cut-Off Frequency (MHz)		Insertion Loss (dB Min.)		Return Loss (dB Min.)		Attenuation (dB Min.)								Common Mode Rejection (dB Min.)						Crosstalk (dB Min.)	
(Ref.)		1-10 MHz		5-10 MHz		@ 20 MHz		@ 25 MHz		@ 30 MHz		@ 40 MHz		@ 50 MHz		@ 100 MHz		@ 200 MHz		1-10 MHz	
Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv
17	17	-1	-1	-15	-15	-7	-5	-18	-11	-30	-18	-35	-26	-45	-45	-30	-30	-20	-20	-35	-35

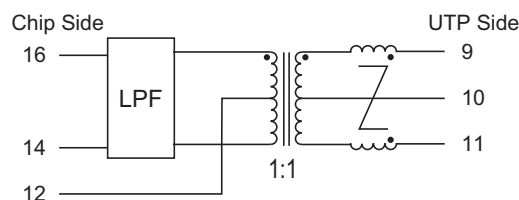
- **Isolation** : meets or exceeds 802.3 IEE Requirements •
- **Characteristic Filter Impedance** : 100 Ω •
- **UTP Side Impedance** : 100 Ω •

Schematic

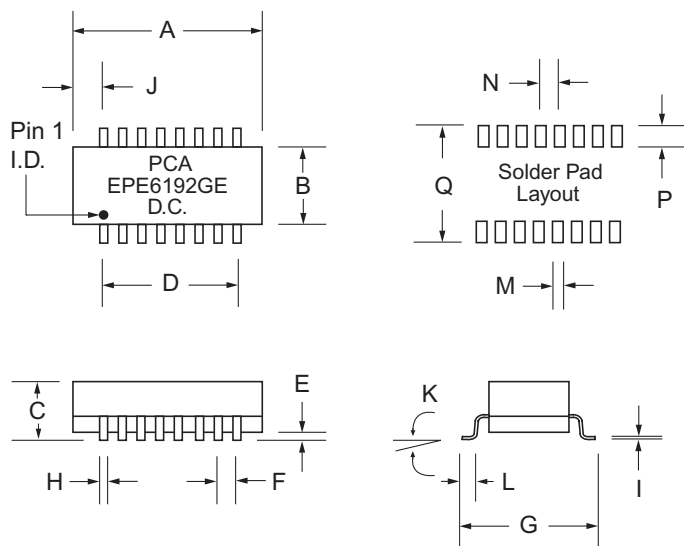
Transmit Channel



Receive Channel



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.910	.930	.920	23.11	23.62	23.37
B	.370	.390	.380	9.40	9.91	9.65
C	.215	.235	.225	5.46	5.97	5.72
D	---	---	.700	---	---	17.78
E	.010	.015	.013	.254	.381	.330
F	---	---	.100	---	---	2.54
G	.490	.510	.500	12.45	12.95	12.70
H	.016	.022	.019	.406	.559	.483
I	.008	.012	.010	.203	.305	.254
J	---	---	.110	---	---	2.79
K	0°	8°	4°	0°	8°	4°
L	.025	.045	.035	.635	1.14	.889
M	---	---	.040	---	---	1.02
N	---	---	.100	---	---	2.54
P	---	---	.090	---	---	2.29
Q	---	---	.540	---	---	13.72