

# 10 Base-T Interface Module

## EPE6166CSE

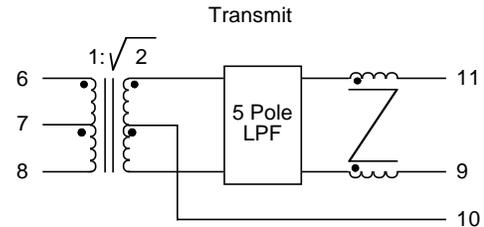
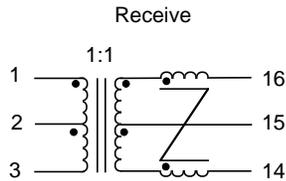
- Robust design allows for toughest soldering processes •
- Complies with or exceeds IEEE 802.3, 10 Base-T Requirements •

### Electrical Parameters @ 25° C

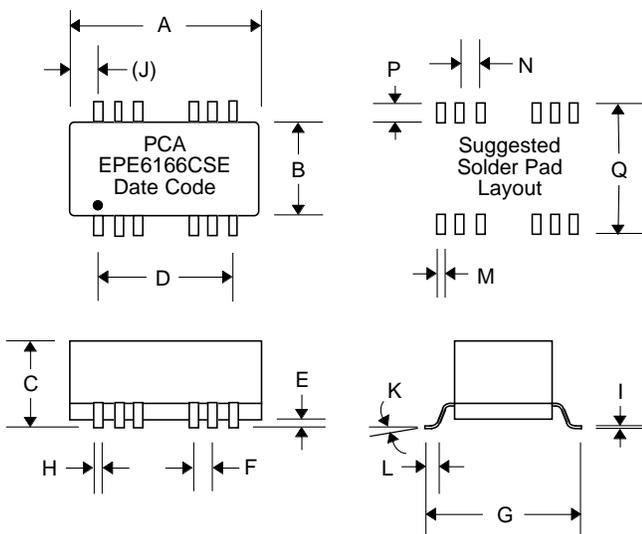
OCL ( $\mu$ H Min.)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)				Common Mode Rejection (dB Min.)	Crosstalk (dB Min.)
			@ 20 MHz	@ 25 MHz	@ 30 MHz	@ 40 MHz		
@ 100 KHz, 20 mVrms	1-10 MHz	5-10 MHz					@ 30-100 MHz	@ 1-10 MHz
Rcv	Xmit	Xmit	Xmit	Xmit	Xmit	Xmit	Xmit	Between Channels
160	-1	-15	-5	-14	-24	-30	-30	-30

- Cut-off Frequency : 17 MHz  $\pm$  1, Ref. @ 5 MHz • Characteristic Filter Impedance : Xmit 52  $\Omega$ , Rcv 100  $\Omega$  •

### Schematic



### Package



### Dimensions

Dim.	(Inches)			(millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.530	.550		13.46	13.97	
B	.260	.280		6.60	7.11	
C	.230	.250		5.84	6.35	
D	.350	Typ.		8.89	Typ.	
E	.010	.015		.254	.381	
F	.050	Typ.		1.27	Typ.	
G	.360	.380		9.14	9.65	
H	.016	.022		.406	.559	
I	.010	Typ.		.254	Typ.	
(J)	.095	Typ.		2.41	Typ.	
K	0°	8°		0°	8°	
L	.020	.040		.508	1.02	
M			.030			.635
N			.050			1.27
P			.055			1.40
Q			.420			10.67