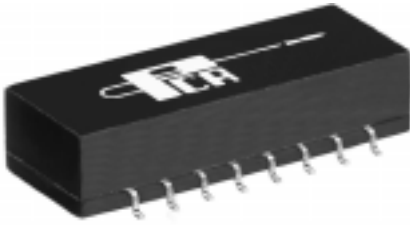


10/100 LAN Interface Module with Enhanced Common Mode Attenuation

EPF8186AG



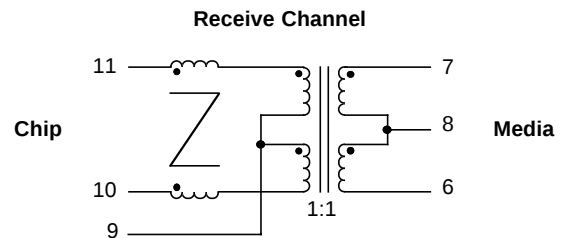
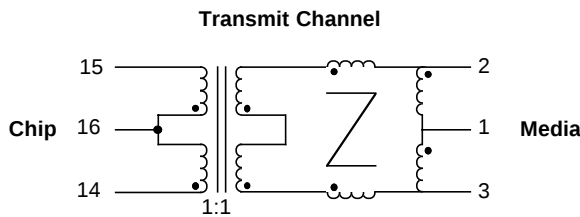
- Recommended for use with SSI578Q2120 •
(when connected per appropriate schematic)
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

Electrical Parameters @ 25° C

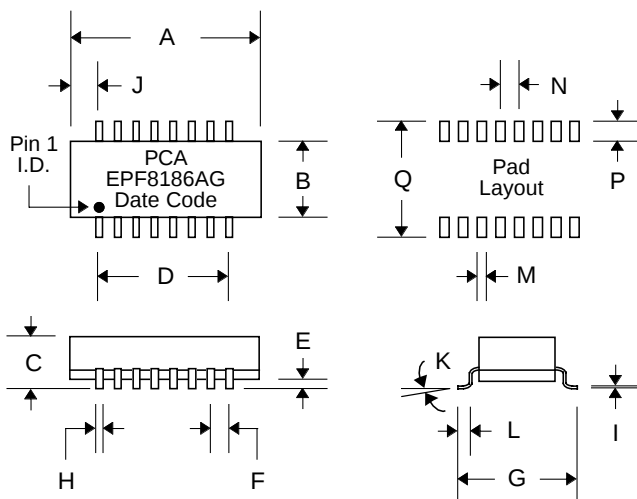
OCL @ 70°C	Insertion Loss (dB Max.)						Return Loss (dB Min.)						Common Mode Rejection (dB Min.)								Crosstalk* (dB Min.)
100 KHz, 0.1 Vrms 8 mA DC Bias	1-80 MHz		80-100 MHz		150 MHz		1-30 MHz		30-60 MHz		60-100 MHz		1-30 MHz		30-100 MHz		100-200 MHz		200-500 MHz		1-100 MHz
Cable Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
350μH	-1	-1	-1	-1	-3.5	-3	-18	-18	-12	-12	-10	-10	-45	-45	-35	-35	-30	-20	-10	-10	-35

• Isolation : 1500 Vrms • Impedance : 100 Ω • Rise Time : 3.0 nS Max. • *Crosstalk : Between Channels •

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.970	.990	.980	24.64	25.15	24.89
B	.380	.400	.390	9.65	10.16	9.91
C	.234	.252	.247	5.94	6.41	6.27
D	.695	.705	.700	17.65	Typ.	17.78
E	.010	.015	.013	.254	.381	.330
F	.097	.103	.100	2.46	2.62	2.54
G	.490	.510	.500	12.45	12.95	12.70
H	.017	.022	.020	.432	.559	.508
I	.008	.013	.011	.203	.330	.279
J	.135	.145	.140	3.43	3.68	3.56
K	0°	8°	4°	0°	8°	4°
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.100	---	---	2.54
P	---	---	.092	---	---	2.34
Q	---	---	.560	---	---	14.22