

10/100 LAN Interface Module for PC Card Applications

EPF8185S

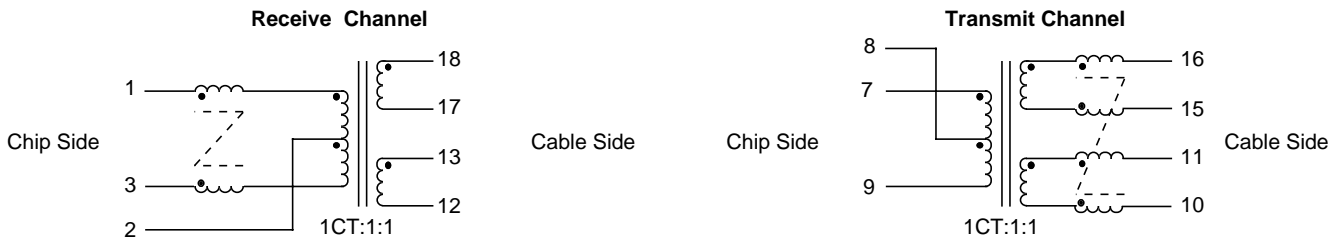
- Meets or exceeds IEC 950 safety requirements •
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Low profile, fully integrated with two channels •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

Electrical Parameters @ 25° C

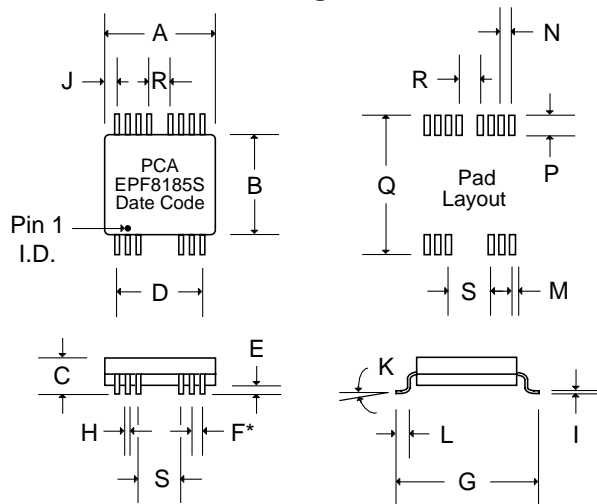
OCL @ 70°C	Insertion Loss (dB Max.)						Return Loss (dB Min.)						Common Mode Rejection (dB Min.)						Crosstalk (dB Min.) [Between Channels]	
	1-80 MHz		100 MHz		150 MHz		30 MHz		60 MHz		100 MHz		1-30 MHz		100 MHz		500 MHz		5-10 MHz	100 MHz
100 KHz, 0.1 Vrms 8 mA DC Bias	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv		
350µH	-1	-1	-1	-1	-3.5	-3.5	-18	-18	-12	-12	-10	-10	-30	-30	-25	-25	-10	-10	-40	-40

• Isolation : 1500 Vrms • Impedance : 100 Ω • Rise Time : 3.0 nS Max. •

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.550	.570	.560	13.97	14.48	14.22
B	.550	.570	.560	13.97	14.48	14.22
C	.074	.080	.077	1.88	2.03	1.96
D	.395	.405	.400	10.03	10.29	10.16
E	.003	.005	.004	.076	.127	.102
F*	.048	.052	.050	1.22	1.32	1.27
G	.675	.695	.685	17.15	17.65	17.40
H	.017	.022	.020	.432	.559	.508
I	.008	.013	.011	.203	.330	.279
J	.100	.110	.105	2.54	2.79	2.67
K	0°	6°	3°	0°	6°	3°
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.050	---	---	1.27
P	---	---	.090	---	---	2.29
Q	---	---	.750	---	---	19.05
R	---	---	.100	---	---	2.54
S	---	---	.200	---	---	5.08

• *Non-Cumulative • Coplanarity within .003 Max. •