10/100 LAN Interface Module with Enhanced Common Mode Attenuation

EPF8115G

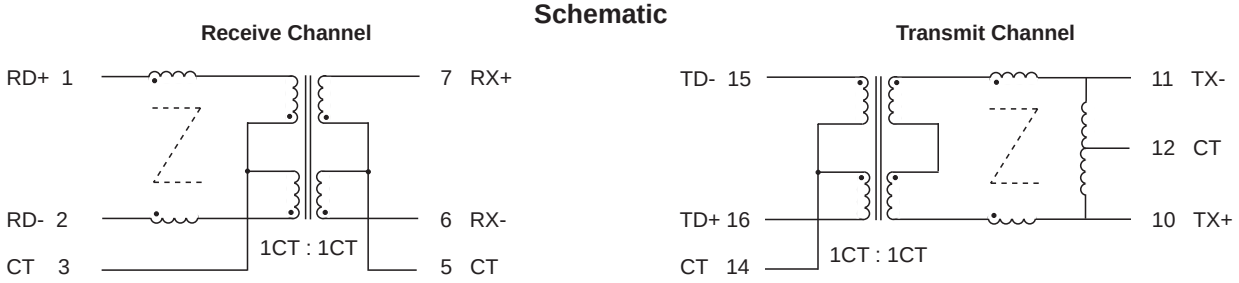
- Robust construction to meet reflow soldering process •
- Guaranteed to operate with 8mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

Electrical Parameters @ 25°C

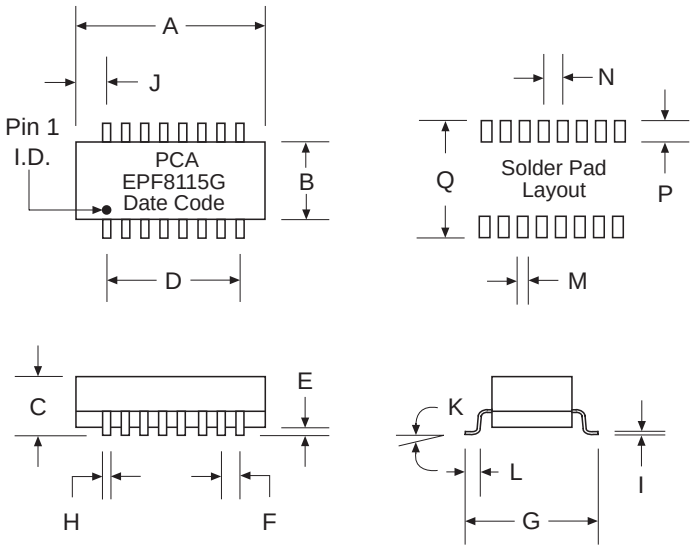
OCL @ 70°C	Insertion Loss (dB Max.)		Return Loss (dB Min.)						Differential to Common Mode (dB Min.)						Crosstalk (dB Min.) [Between Channels]
100KHz, 0.1Vrms 8mA DC Bias	1-100 MHz		1-30 MHz		30-60 MHz		60-80 MHz		1-30 MHz		60 MHz		100 MHz		1-100 MHz
Cable Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
350µH	-1	-1	-18	-18	-14	-14	-12	-12	-45	-45	-40	-40	-35	-35	-50

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

Schematic



Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) 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	6.20
D	.695	.705	.700	17.65	17.91	17.78
E	.010	.015	.0125	.254	.381	.3175
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

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CSF8115G Rev. Orig 10/12/98

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

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