10/100 Base-X Module for Hex Port Applications

EPF8147S

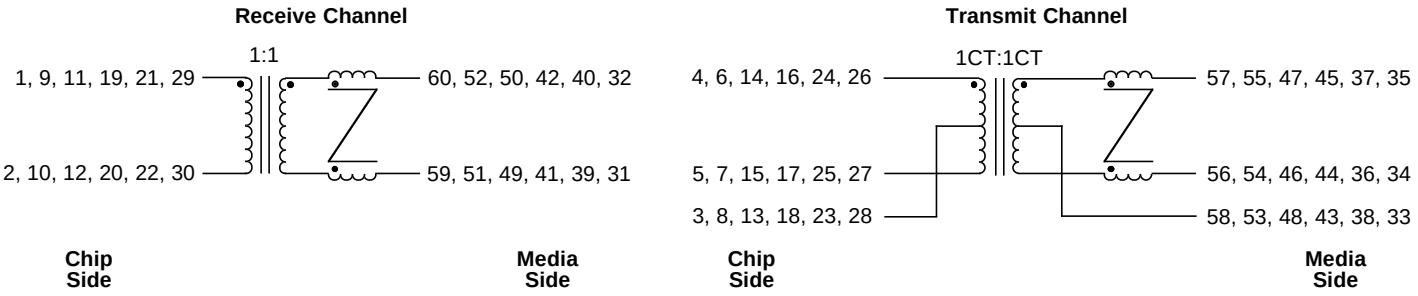
- Recommended for 10/100 Solution
- Guaranteed to operate with 8 mA DC bias at 70°C
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards

Electrical Parameters @ 25° C

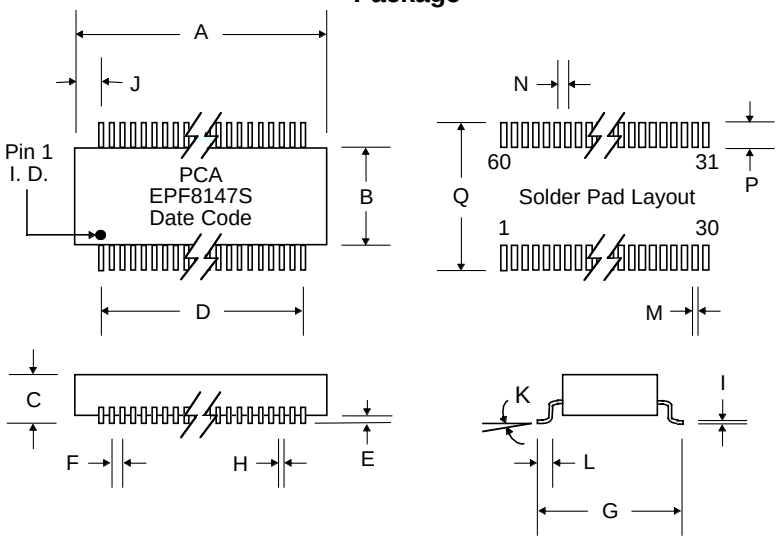
OCL @ 70°C	Insertion Loss (dB Max.)						Return Loss (dB Min.)						Common Mode Rejection (dB Min.)								Crosstalk (dB Min.)
100 KHz, 0.1 Vrms 8 mA DC Bias	1-80 MHz		100 MHz		150 MHz		1-30 MHz		60 MHz		100 MHz		1-100 MHz		200 MHz		300 MHz		500 MHz		1-100 MHz
Media Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
350µH	-1	-1	-1	-1	-3	-3	-18	-18	-18	-18	-10	-10	-30	-20	-25	-15	-20	-10	-15	---	-30

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

Schematic



Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	1.61	1.63	1.62	40.89	41.40	41.15
B	.470	.490	.480	11.94	12.45	12.19
C	.235	.255	.245	5.97	6.48	6.22
D	---	---	1.45	---	---	36.83
E	.010	.015	.013	.254	.381	.330
F	---	---	.050	---	---	1.27
G	.590	.610	.600	14.99	15.49	15.24
H	.018	.022	.020	.457	.559	.508
I	.008	.012	.010	.203	.305	.254
J	---	---	.085	---	---	2.16
K	0°	8°	---	0°	8°	---
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.050	---	---	1.27
P	---	---	.090	---	---	2.29
Q	---	---	.670	---	---	17.02

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