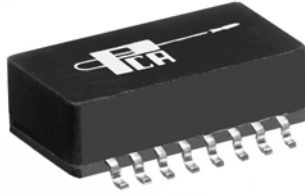


10/100 LAN Interface Module for NIC/HUB Applications

EPF8119S



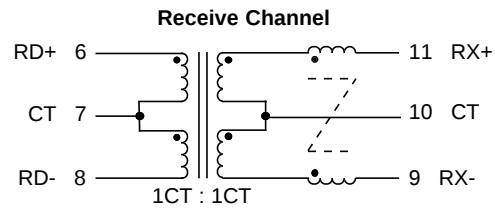
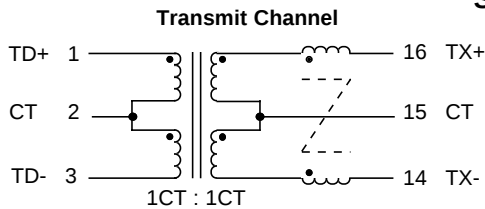
- Robust construction allows for toughest soldering processes *
- Guaranteed to operate with 8 mA DC bias at 70°C on cable side •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

Electrical Parameters @ 25° C

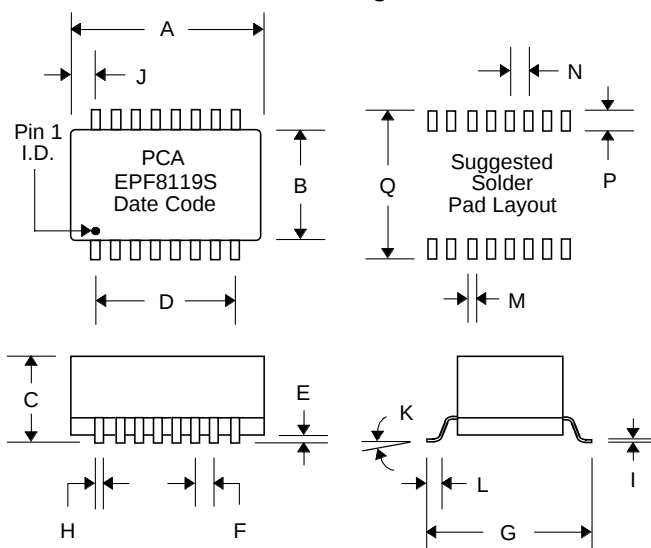
OCL @ 70°C	Insertion Loss (dB Max.)				Return Loss (dB Min.)						Common Mode Rejection (dB Min.)						Crosstalk (dB Min.) [Between Channels]	
100 KHz, 0.1 Vrms 8 mA DC Bias	1-80 MHz		80-100 MHz		1-30 MHz		30-60 MHz		60-100 MHz		1-30 MHz		30-100 MHz		100-500 MHz		1-10 MHz	10-100 MHz
Cable Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv		
350µH	-1	-1	-1	-1	-18	-18	-12	-12	-10	-10	-40	-40	-30	-30	-10	-10	-40	-35

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

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.480	.500	.490	12.19	12.70	12.45
B	.260	.280	.270	6.60	7.11	6.86
C	.180	.200	.190	4.57	5.08	4.83
D	---	---	.350	---	---	8.89
E	.010	.015	.013	.254	.381	.330
F	---	---	.050	---	---	1.27
G	.370	.390	.380	9.40	9.91	9.65
H	.016	.022	.019	.406	.559	.483
I	---	---	.010	---	---	.254
J	---	---	.070	---	---	1.78
K	0°	8°	4°	0°	8°	4°
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.050	---	---	1.27
P	---	---	.055	---	---	1.40
Q	---	---	.410	---	---	10.41