

10/100 Base-TX Voice Over IP Magnetic Module

EPF8215S

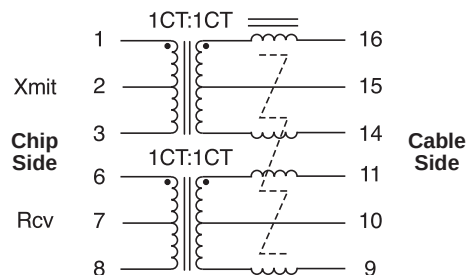
- Designed for IP Phone or Switch Applications •
- 1500 Vrms Isolation •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •
- Surface Mount Package •

Electrical Parameters @ 25°C

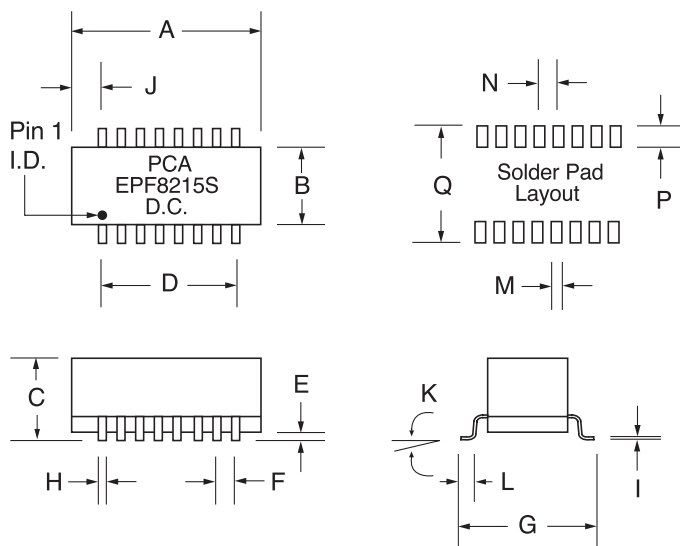
OCL @ 70°C	Insertion Loss (dB Max.)						Return Loss (dB Min.)						Common Mode Rejection (dB Min.)						Crosstalk (dB Min.)
100 KHz, 0.1 Vrms 8 mA DC Bias	1-80 MHz		@ 100 MHz		@ 150 MHz		1-30 MHz		@ 60 MHz		@ 100 MHz		30-100 MHz		@ 200 MHz		@ 500 MHz		1-10 MHz
Cable Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
350 μH	-1	-1	-1	-1	-3	-3	-18	-18	-12	-12	-10	-10	-30	-30	-25	-25	-10	-10	-35

- Impedance : 100 Ω • 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	12.44
B	.260	.280	.270	6.35	7.11	6.86
C	.230	.250	.240	5.84	6.35	6.10
D	---	---	.350	---	---	8.89
E	.010	.015	---	.254	.381	---
F	---	---	.050	---	---	1.27
G	.370	.390	.380	9.40	9.91	9.65
H	.018	.022	.020	.457	.559	.508
I	.008	.012	.010	.203	.305	.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	---	---	.085	---	---	2.16
Q	---	---	.440	---	---	11.18