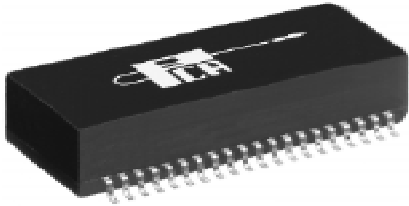


10/100 Base-X Module for ICS 1890 & SSI 78Q2120 Multi-Port Applications

EPF8058S



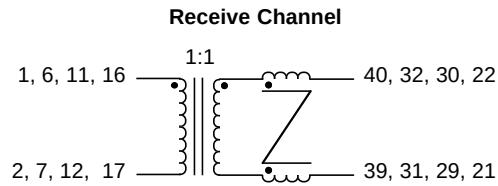
- Also recommended for Broadcom BCM5208 10/100 Solution •
- Significantly improved common mode attenuation •
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

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		30-100 MHz		200 MHz		300 MHz		500 MHz		1-80 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	-25	-25	-20	-20	-10	-15	---	-36

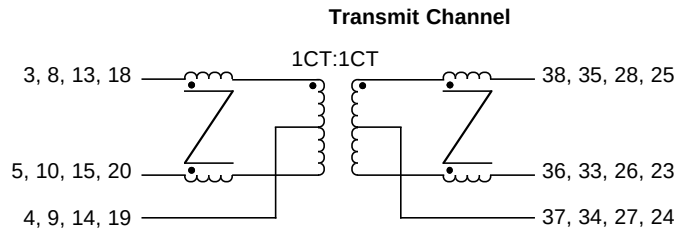
• Isolation : 1500 Vrms • Impedance : 100 Ω • Rise Time : 3.0 nS Max.

Schematic



**Chip
Side**

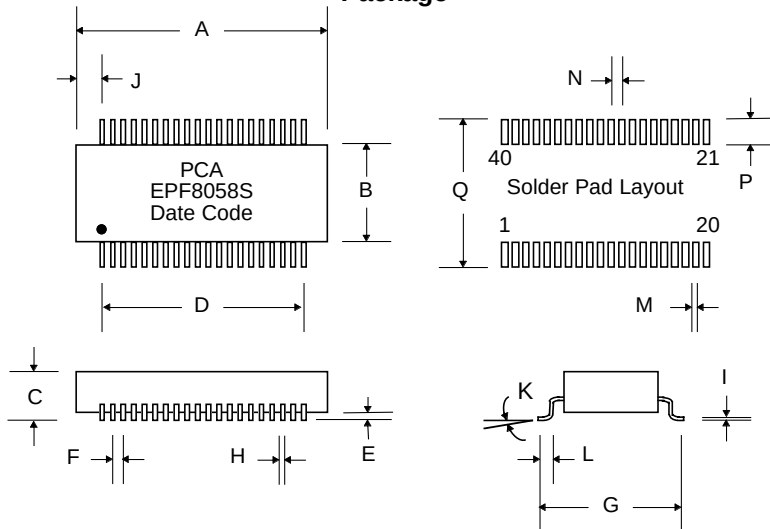
**Media
Side**



**Chip
Side**

**Media
Side**

Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	1.110	1.130		28.19	28.70	
B	.470	.490		11.94	12.45	
C	.235	.255		5.97	6.48	
D	.950	Typ.		24.13	Typ.	
E	.008	.012		.203	.305	
F	.050	Typ.		1.27	Typ.	
G	.620	.640		15.75	16.26	
H	.016	.022		.406	.559	
I	.008	.012		.203	.305	
J	.085	Typ.		2.16	Typ.	
K	0°	8°		0°	8°	
L	.045	Typ.		1.14	Typ.	
M			.030			.762
N			.050			1.27
P			.090			2.29
Q			.670			17.02

