10/100 Base-X Quad-Phyter Module

EPF8101S

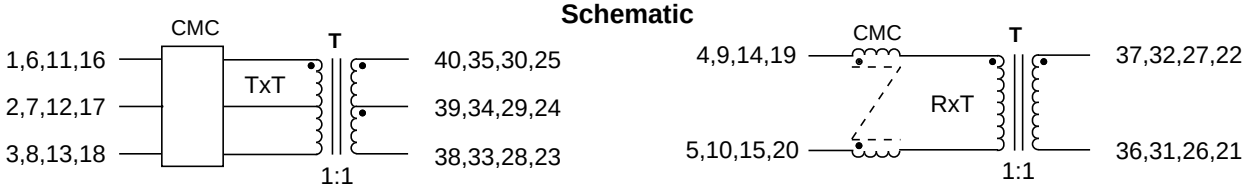
- For National Semiconductor Chips •
- 40 Pin SOIC Package •
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 10 BT/100 BX Standards •

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	1-100 MHz		1-30 MHz		30-60 MHz		60-80 MHz		1-80 MHz	80-100 MHz	1-80 MHz
Media Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Xmit	
350µH	-1	-1	-18	-18	-12	-12	-10	-10	-35	-30	-38

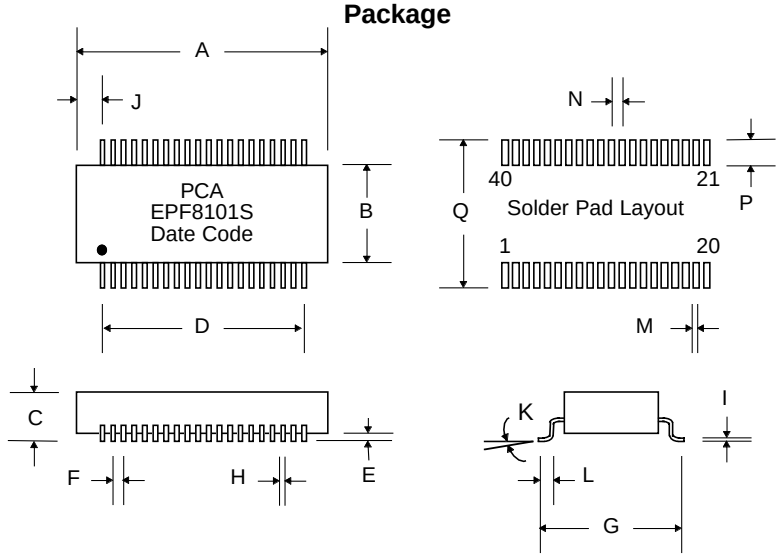
• **Isolation** : 1500 Vrms • **Impedance** : 100 ohms • **Rise Time** : 3.0 nS Max. •

Schematic



Version G

Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	1.110	1.130		28.19	28.70	
B	.470	.490		11.94	12.45	
C	.235	.255		6.10	6.35	
D	.950	Typ.		24.13	Typ.	
E	.010	.015		.254	.381	
F	.050	Typ.		1.27	Typ.	
G	.590	.610		14.99	15.49	
H	.016	.022		.406	.559	
I	.008	.012		.203	.305	
J	.085	Typ.		2.16	Typ.	
K	0°	8°		0°	8°	
L	.025	.045		.635	1.14	
M			.030			.762
N			.050			1.27
P			.090			2.29
Q			.670			17.02

PCA ELECTRONICS, INC.
16799 SCHOENBORN ST.
NORTH HILLS, CA 91343

CSF8101Sa Rev - 3/20/98

TEL: (818) 892-0761
FAX: (818) 894-5791
http://www.pca.com