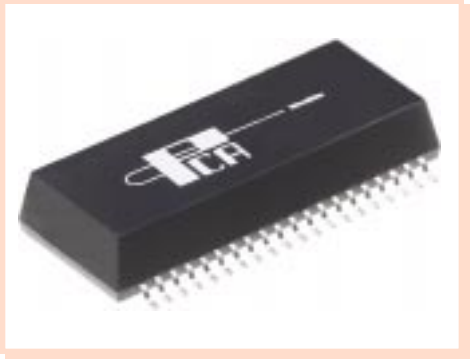
PCA ELECTRONICS INC.

10/100 Base-T4 Interface Module

EPE6251S-1



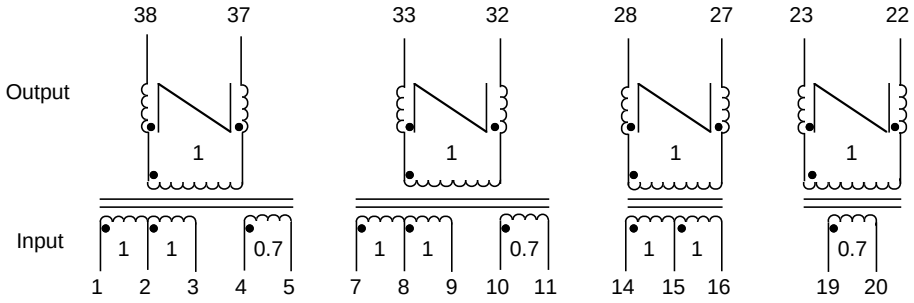
- General Purpose 10/100 Base-T4 Module
- Available in SMD Packages
- Complies with or exceeds IEEE Requirements

Electrical Parameters @

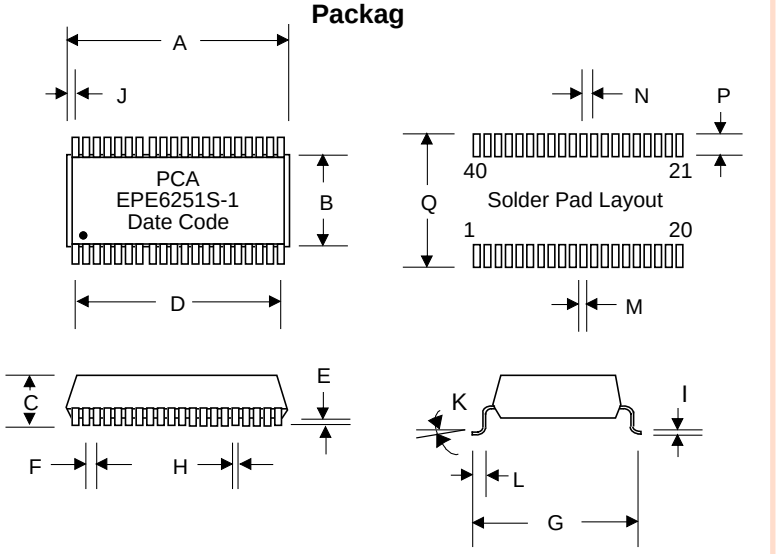
OCL	Insertion Loss (dB Max.)		Return Loss (dB Min.)		Isolation	Attenuation (dB Min.)						Common Mode Rejection (dB Min.)				Crosstalk (dB Min.)	
100KHz, 0.1Vrms	2-12.5 MHz		2-12.5 MHz			@ 25 MHz		@ 30 MHz		@ 40 MHz		1-100 MHz		100-300 MHz		2-12.5 MHz	
Note 5	Xmit	Rcv	Note 3	Note 4	Note 2	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv
200	-1	-1	-21	-17	1500	---	---	---	---	---	---	-30	-30	-20	-20	-35	-35

Schemati

1. Pins 1-2 or 2-3 to 38-37 • Pins 7-8 or 8-9 to 33-32 • Pins 14-15 or 15-16 to 28-27
2. From input to Output
3. Pins 1-2 or 2-3, 7-8 or 8-9, 14-15 or 15-16 are terminated @ 100Ω, measured @ Output
4. Pins 4-5, 10-11, 19-20 are terminated @ 50Ω, measured @ Output
5. Measured @ Outputs



Packag



Dimensio

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	.210	.220		5.33	5.59	
D	.950	Typ.		24.13	Typ.	
F	.050	Typ.		1.27	Typ.	
G	.615	.635		15.62	16.13	
H	.017	.023		.432	.584	
I	.008	.012		.203	.305	
J	.085	Typ.		2.16	Typ.	
K	0°	8°		0°	8°	
L	.035	.055		.889	1.40	
M			.030			.762
N			.050			1.27
P			.090			2.29
Q			.700			17.78

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

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