Token Ring Transformer Module
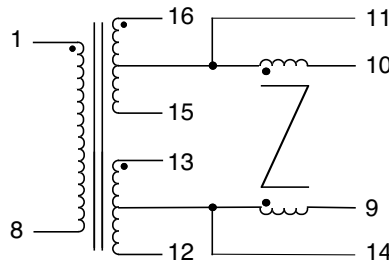
EPT7099S

• Optimized for Texas Instrument's TMS38054 •

• Supports both UTP and STP Transmission •

• Robust Construction allows for severe soldering processes •

• Isolation : 1500 Vrms •

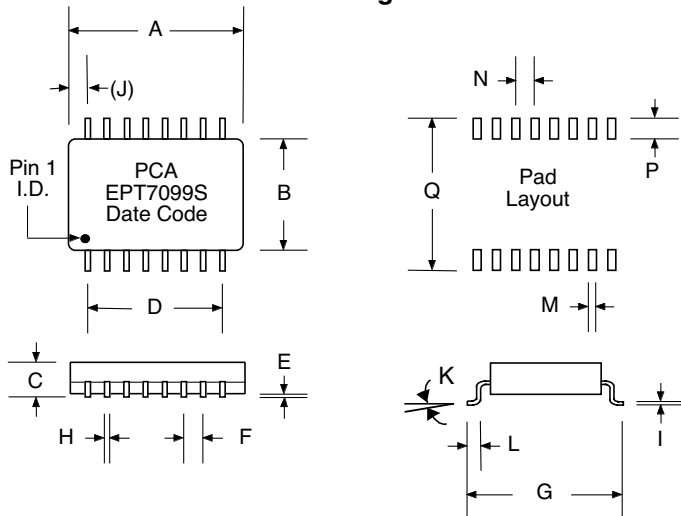• Complies with or exceeds IEEE 802.5 Requirements •

Electrical Parameters @ 25° C

Primary OCL (µH Min.)	Leakage Inductance (µH Max.)	Impedance (Ω)	Insertion Loss (dB Max.)	Return Loss (dB Min.)		Common Mode Rejection (dB Min.)			DCR (Ω Max.)		
@ 10 KHz, 0.1 Vrms	@ 10 MHz, 0.1 Vrms		@ 1-16 MHz	@ 1-16 MHz	@ 17-24 MHz	@ 1-100 MHz	@ 200 MHz	@ 300 MHz	Pri.	Sec.	CMC
590	0.7	150:150/100	-1	-20	-20	-25	-15	-10	.700	.500	.450

Schematic

Package

Pin 1 I.D.

PCA
EPT7099S
Date Code

Pad Layout

Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.445	.465	.455	11.30	11.81	11.56
B	.265	.285	.275	6.73	7.24	6.99
C	.084	.096	.090	2.13	2.44	2.28
D	---	---	.350	---	---	8.89
E	.003	.010	.005	.076	.254	.127
F	---	---	.050	---	---	1.27
G	.380	.400	.390	9.65	10.16	9.91
H	.016	.020	.018	.406	.508	.457
I	.008	.012	.010	.203	.305	.254
(J)	---	---	.052	---	---	1.32
K	0°	8°	---	0°	8°	---
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.050	---	---	1.27
P	---	---	.096	---	---	2.44
Q	---	---	.426	---	---	10.82

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

CST7099S Rev. 1 10/28/98

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

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