

RJ-45 Filter Port Jacks 10/100 Base-T



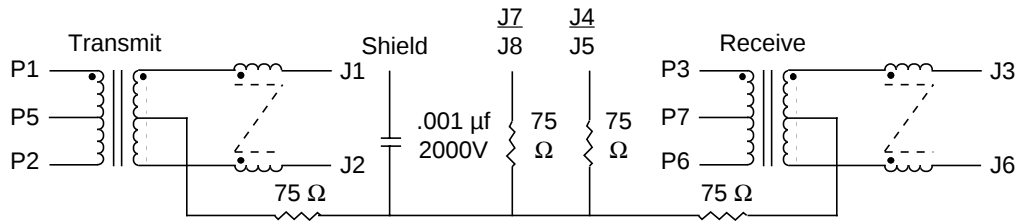
- UL94V-0 rated connector housing •
- Contact Plating : 15 μ inch gold flashed •
- Space saving RJ-45 Connectors •
- Includes Common Mode Chokes •
- Complete Bob Smith Termination included •

Electrical Parameters @ 25° C

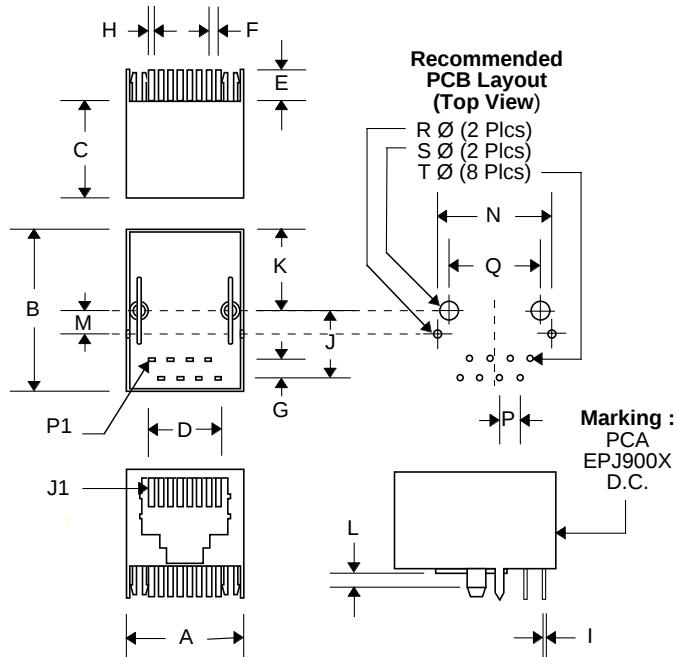
Part Number	Turns Ratio ($\pm 5\%$)	OCL (μ H Min.)	Insertion Loss (dB Max.)		Return Loss (dB Min.)		CMRR (dB Min.)		Crosstalk (dB Min.)
	Xmit/Rcv		1-80 Mhz	100 Mhz	1-30 Mhz	60-80 Mhz	1-100 Mhz	200 Mhz	1-100 Mhz
EPJ9001	1:1 / 1:1	350	-1	-1.5	-20	-12	-30	-20	-35
EPJ9002	1.25:1/1:1	350	-1	-2	-20	-12	-30	-20	-35
EPJ9003	1.36:1/1:1	350	-1	-2.5	-20	-12	-30	-15	-35
EPJ9004	1.41:1/1:1	350	-1	-2.5	-20	-12	-30	-15	-35
EPJ9005	2:1/1:1	350	-1	-2.5	-20	-10	-30	-10	-35
EPJ9006	1:1.41/1:1	350	-1.5	-2.5	-20	-12	-30	-10	-35

• Isolation : 1500 Vrms • Cable Side Impedance : 100 Ω •

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.614	.638	.626	15.60	16.20	15.90
B	---	---	.843	---	---	21.40
C	---	---	.531	---	---	13.50
D	---	---	.350	---	---	8.89
E	---	---	.132	---	---	3.35
F	---	---	.050	---	---	1.27
G	---	---	.100	---	---	2.54
H	.018	.020	.019	.457	.508	.483
I	---	---	.010	---	---	.254
J	---	---	.350	---	---	8.89
K	---	---	.429	---	---	10.89
L	---	---	.070	---	---	1.78
M	---	---	.120	---	---	3.05
N	---	---	.610	---	---	15.49
P	---	---	.100	---	---	2.54
Q	---	---	.450	---	---	11.43
R	---	---	.063	---	---	1.60
S	---	---	.127	---	---	3.25
T	---	---	.035	---	---	.900