

# RJ-45 Filter Port Jacks 10/100Base-TX

## EPJ9090-S9



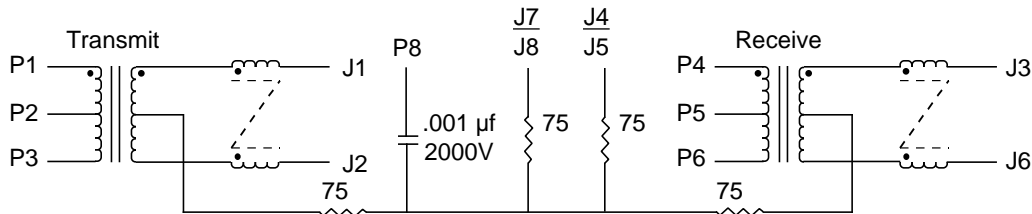
- Include Common Mode Chokes •
- Space saving RJ-45 Connectors •
- Complete Bob Smith Termination •
- UL94V-0 rated connector housing •
- Contact Plating : 15µ inch Gold Flashed •

### Electrical Parameters @ 25° C

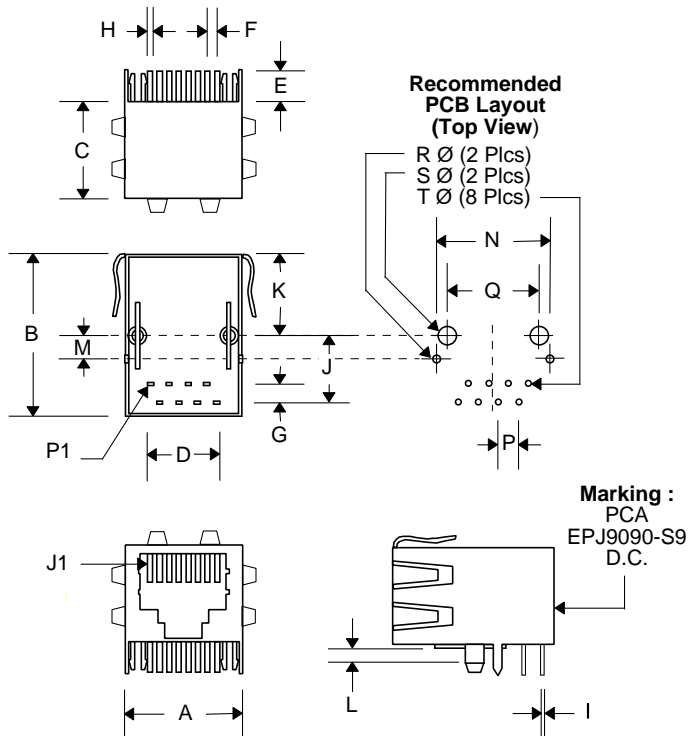
| Turns Ratio<br>(± 5%) | OCL<br>(µH Min.) | Insertion Loss<br>(dB Max.) |         | Return Loss<br>(dB Min.) |           | CMRR<br>(dB Min.) |         | Crosstalk<br>(dB Min.) |
|-----------------------|------------------|-----------------------------|---------|--------------------------|-----------|-------------------|---------|------------------------|
|                       |                  | 1-80 Mhz                    | 100 Mhz | 1-30 Mhz                 | 60-80 Mhz | 1-100 Mhz         | 200 Mhz |                        |
| Xmit/Rcv              |                  |                             |         |                          |           |                   |         |                        |
| 1:1 / 1:1             | 350              | -1                          | -1.5    | -20                      | -12       | -40               | -20     | -35                    |

Isolation : 1500 Vrms • Cable Side Impedance : 100 •

### 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 | ---           | ---   | .889  |