

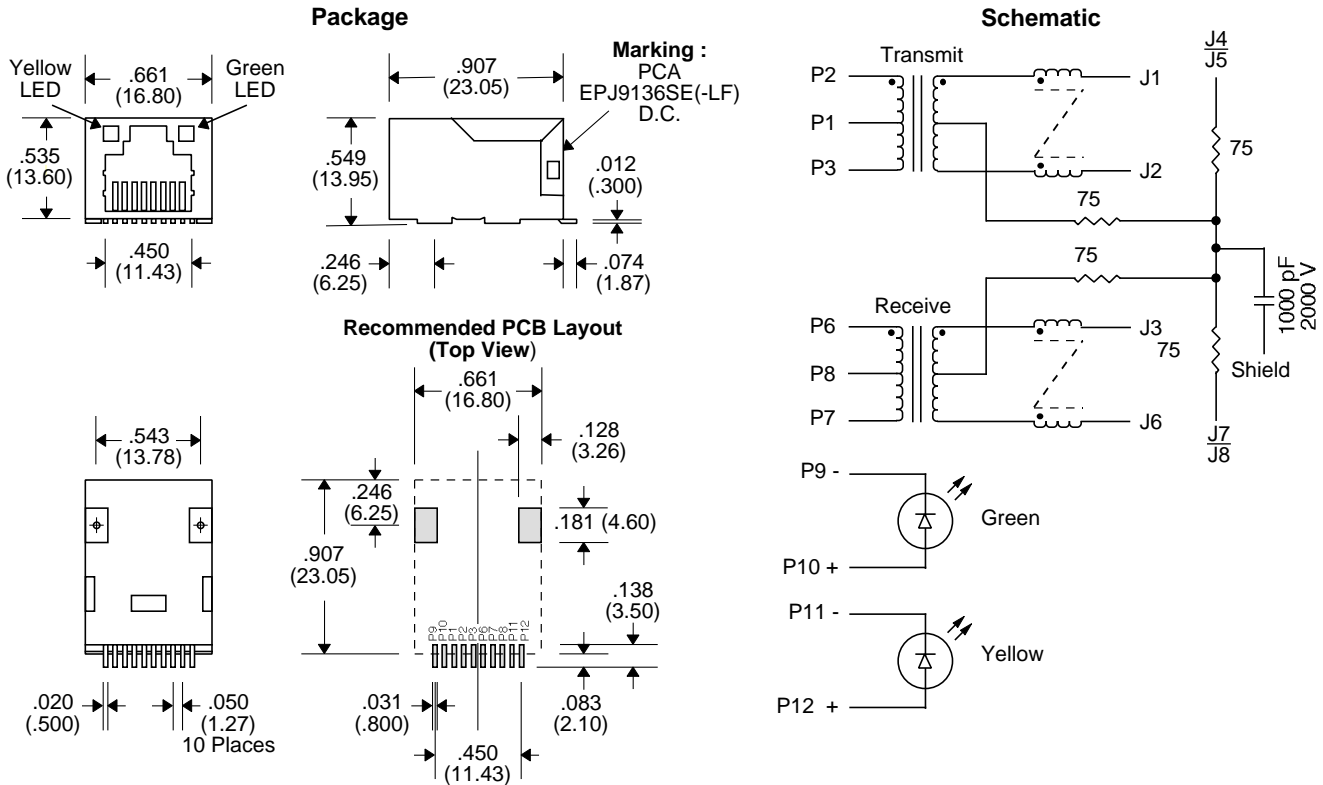
# SMD RJ-45 Filter Port Jacks with 10/100Base-TX

## EPJ9136SE & EPJ9136SE-LF

- Surface Mount Package
- Space Saving RJ-45 Connectors
- Complete Bob Smith Termination Included
- UL94V-0 Rated High Temp. Thermoplastic Housing
- Add "-LF" after part number for Lead-Free
- Operating Temperature : -40°C to + 85°C
- 1500 Vrms Isolation

### 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.) | CMD<br>(dB Min.) | Crosstalk<br>(dB Typ.) |             |             |              |
|-----------------------|-------------------------|-----------------------------|--------------------------|--------------|--------------|-------------------|------------------|------------------------|-------------|-------------|--------------|
|                       |                         |                             | 1-10<br>MHz              | 30-60<br>MHz | 60-80<br>MHz |                   |                  | @ 5<br>MHz             | @ 30<br>MHz | @ 60<br>MHz | @ 100<br>MHz |
|                       | @ 100 KHz,<br>100m Vrms | 1-100<br>MHz                | 1-10<br>MHz              | 30-60<br>MHz | 60-80<br>MHz | 1-100<br>MHz      | 1-100<br>MHz     | @ 5<br>MHz             | @ 30<br>MHz | @ 60<br>MHz | @ 100<br>MHz |
| Xmit/Rcv              | 8 mA DC Bias            |                             |                          |              |              |                   |                  |                        |             |             |              |
| 1:1/1:1               | 350                     | -1.0                        | -18                      | -18          | -12          | -30               | -40              | -70                    | -45         | -40         | -35          |



| Notes :                            | EPJ9136SE                    | EPJ9136SE-LF                 |
|------------------------------------|------------------------------|------------------------------|
| 1. Lead Finish                     | SnPb                         | Semi Matte Tin               |
| 2. Peak Solder Rating              | 225°C                        | 245°C                        |
| 3. Moisture Sensitive Levels (MSL) | 1<br>(Unlimited, 30°C/60%RH) | 1<br>(Unlimited, 30°C/60%RH) |
| 4. Weight                          | TBD grams                    | TBD grams                    |
| 5. Packaging Information           | (Tube) 48 pcs / tube         | 48 pcs / tube                |

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25