

# 10/100BASE-T QUAD TRANSFORMER MODULES

- ◆ Compliant with IEEE802.3 and ANSI X3.263 standards  
Including 350uH OCL with 8mA Bias.
- ◆ Quad Channel Interface For 10/100 Mbps Ethernet Applications
- ◆ Comply With ROHS

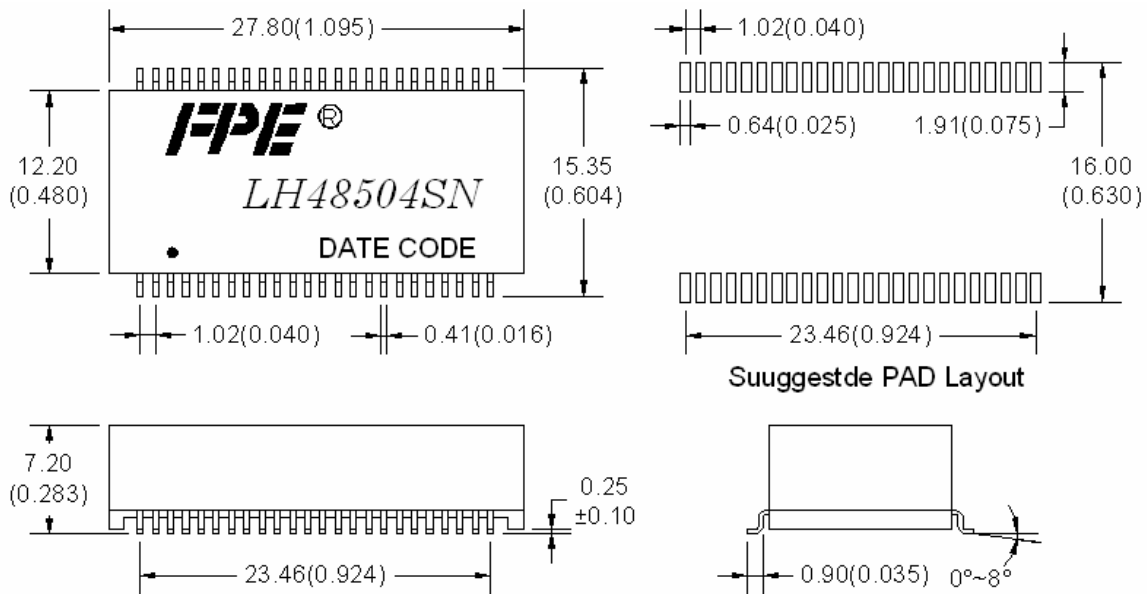


## ELECTRICAL SPECIFICATIONS@25°C (Operating Temperature :0°C to 70°C)

| Part Number | Turns Ratio<br>±5% | Insertion Loss(dB max) | Return Loss (dB min) |           |           | CMRR (dB min) |           |            | Cross Talk (dB min) |           |            | Hipot (vrms) |
|-------------|--------------------|------------------------|----------------------|-----------|-----------|---------------|-----------|------------|---------------------|-----------|------------|--------------|
|             |                    | 1-100MHz               | 1-30 MHz             | 30-60 MHz | 60-80 MHz | 1-30 MHz      | 30-60 MHz | 60-100 MHz | 1-30 MHz            | 30-60 MHz | 60-100 MHz |              |
| LH48504SN   | 1:1                | -1.0                   | -18                  | -14       | -12       | -40           | -35       | -30        | -45                 | -35       | -30        | 1500         |

## MECHANICAL

### LH48504SN



Units:mm(Inches) Tolerance:xx.x0±0.25(0.010) Weight.....2.80g TYP  
 0.xx±0.05(0.002) Reel.....300Pcs

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### SCHEMATICS

#### LH48504SN

