



## P/N: TS6121C LF DATA SHEET

### Feature



- Designed to meet IEEE 802.3u requirement, including 350uH OCL with 8mA bias.
- Lead free for external pins.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

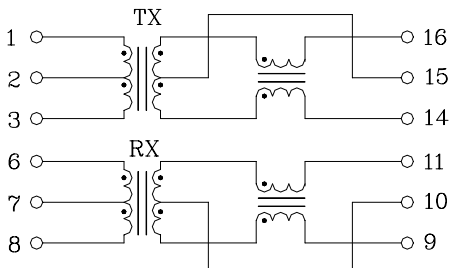
### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) |          | OCL (uH Min)<br>@ 100KHz/0.1V<br>with 8mA DC Bias | C <sub>WW</sub><br>(pF Max) | L.L<br>(uH Max) | DCR (Ω Max) |            | HI-POT<br>(Vrms) |
|-------------|-------------------|----------|---------------------------------------------------|-----------------------------|-----------------|-------------|------------|------------------|
|             | 1-3:16-14         | 6-8:11-9 |                                                   |                             |                 | 1-3/6-8     | 16-14/11-9 |                  |
| TS6121C LF  | 1CT:1CT           | 1CT:1CT  | 350                                               | 28                          | 0.5             | 0.9         | 1.1        | 1500             |

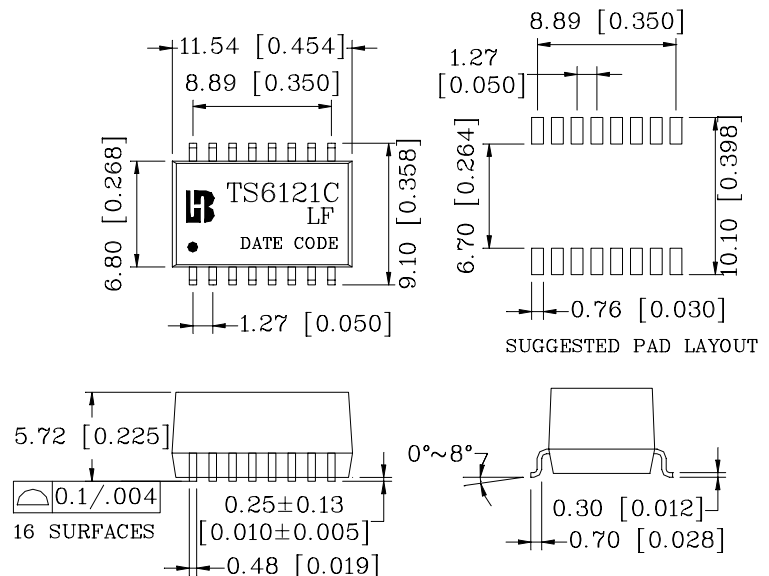
### Continue

| Part Number | Insertion Loss<br>(dB Max) | Return Loss<br>(dB Min) |       |       | Cross talk<br>(dB Min) |           | DCMR<br>(dB Min) |       |        |
|-------------|----------------------------|-------------------------|-------|-------|------------------------|-----------|------------------|-------|--------|
|             | 0.3-100MHz                 | 30MHz                   | 60MHz | 80MHz | 0.3-60MHz              | 60-100MHz | 30MHz            | 60MHz | 100MHz |
| TS6121C LF  | -1.15                      | -18                     | -14   | -12   | -45                    | -35       | -40              | -35   | -30    |

### Schematic



### Mechanical



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]  
0.xx±0.05[0.002]