

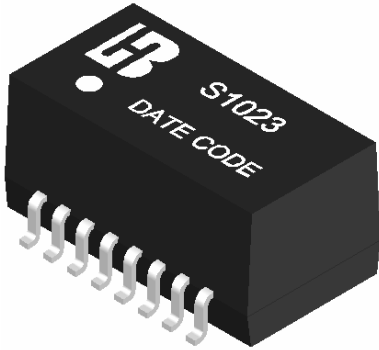


S1023

### T1/CEPT/ISDN-PRI TRANSFORMER

### P/N: S1023 DATA SHEET

#### Feature



- Dual SMT package contains both transmit and receive transformers.
- Common footprint and pinout with a choice of operating temperature ranges.
- Models matched to leading transceiver ICs.
- IC grade transfer-molded package withstands 235°C IR reflow.
- Patented interlock base construction for high reliability.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25 to +125 .

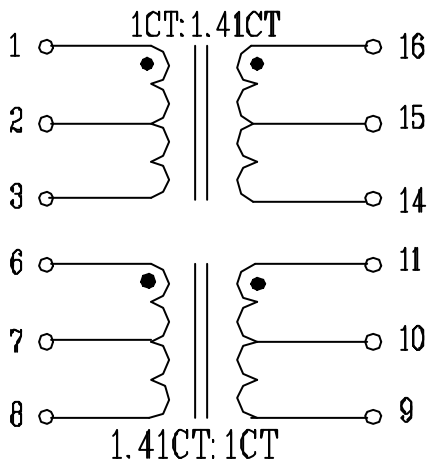
#### Electrical Specifications @ 25°C

| Part Number | Turns Ratio (±5%) |              | OCL (mH Min)<br>(1-3)&(6-8) | L.L<br>(uH Max) |
|-------------|-------------------|--------------|-----------------------------|-----------------|
|             | (1-3):(16-14)     | (11-9):(6-8) |                             |                 |
| S1023       | 1CT:1.41CT        |              | 1.0                         | 0.6             |

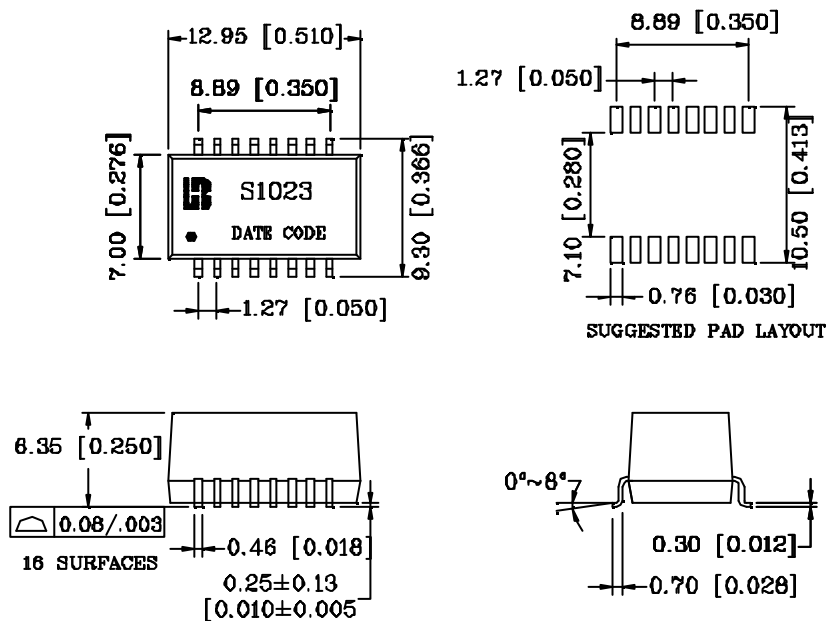
#### Continue

| Part Number | C <sub>ww</sub> (pF Max) | DCR ( Max) |     | PRI PINS     | HIP-POT<br>(Vrms) |
|-------------|--------------------------|------------|-----|--------------|-------------------|
|             |                          | PRI        | SEC |              |                   |
| S1023       | 30                       | 0.7        | 0.9 | (1-3)&(11-9) | 1500              |

#### Schematic



#### Mechanical



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