

# T3/DS3/E3/STS-1 TRANSFORMER

## P/N:S3001 DATA SHEET

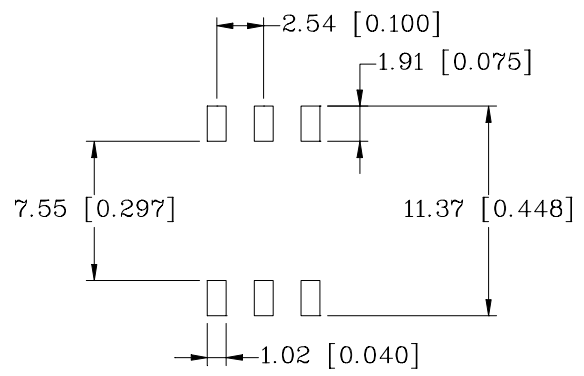
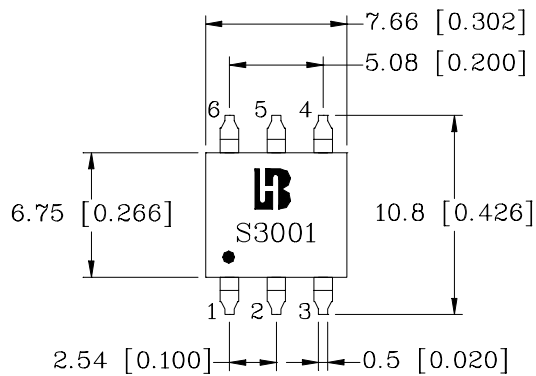
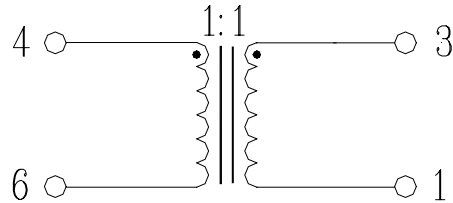
### A. General Specifications

1. Models matched to leading transceiver ICs
2. Return loss meets requirements of G.703
3. Operating temperature of -40°C to +85°C
4. 1500Vrms Isolation

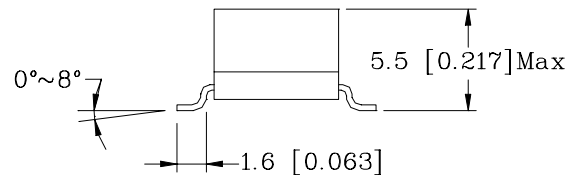
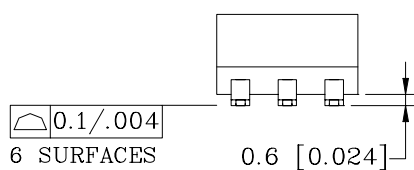
### B. Electrical Specifications@25°C

1. Turn Ratio(PRI:SEC±5%) : 1:1
2. PRI OCL @ 25°C: 100 μH Min @100KHz/0.2Vrms
3. PRI OCL @ -40°C: 40 μH Min @100KHz/0.2Vrms
4. L.L : 0.12 μH Max @100KHz/0.2Vrms
5. Cw/w : 10 pF Max
6. PRI/SEC Isolation: 1500Vrms
7. Bandwidth with 75 Ω system: 0.20 MHz~340 MHz(Typ)
8. Primary Pins : 1-3

### C. Schematics & Mechanical:



PCB Suggest pad layout



Dimensions: mm[Inches] Tolerances: ±0.25[0.01]