

# DIGITAL AUDIO DATA TRANSFORMER

## P/N:S5812 DATA SHEET

### A. General Specifications:

1. Controlled rise time : 25 nsec max
2. High isolation voltage : 2K Vrms
3. Operating transmission rates : 1 to 7 Mbps

### B. Electrical Specifications@ 25°C :

1. Turn Ratio( $\pm 5\%$ ): 1:1 PIN1-4:8-5
2. Primary Inductance : 2.5mHA20% @100KHz/0.2Vrms
3. Leakage Inductance: 0.5 $\mu$ H Max
4. Rise time : 25nS Max
5. ET : 20 V- $\mu$  sec Max
6. Bandwidth : 100 KHz to 55 MHz(Typical) 3dB
7. Return Loss (100 KHz to 10 MHz) : 22dB Min

### C. Schematics & Mechanical :

