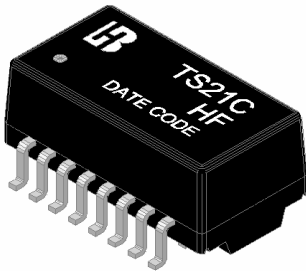


# 10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

## P/N: TS21C HF DATA SHEET

### Feature



- Designed to meet IEEE 802.3u requirement, including 350uH OCL with 8mA bias.
- Comply with RoHS & Halogen Free requirements.
- Operating temperature range: 0 to +70
- Storage temperature range: -25 to +125

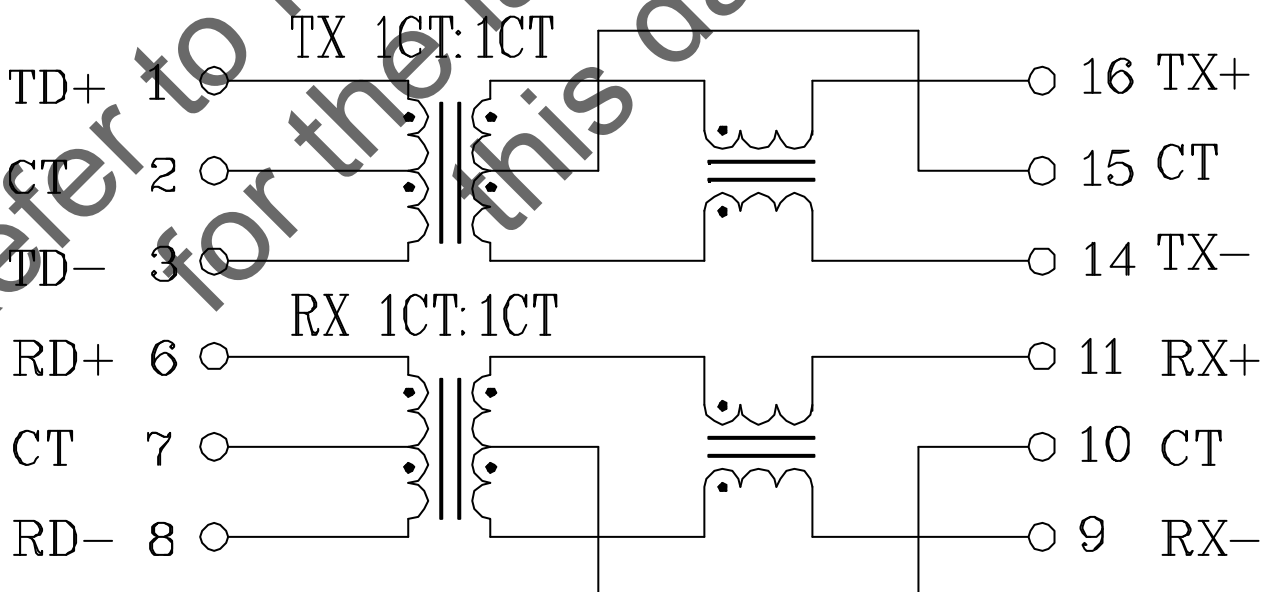
### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	C <sub>www</sub> (pF Max)	L <sub>L</sub> (uH Max)	DCR (Max)		HI-POT (Vrms)
	1-3:16-14	6-8:11-9				1-3/6,8	16-14/11-9	
TS21C HF	1CT:1CT	1CT:1CT	350	28	0.5	0.9	1.1	1500

### Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
		0.3-100MHz	30MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz
TS21C HF	-1.15	-18	-14	-12	-45	-35	-40	-35	-30

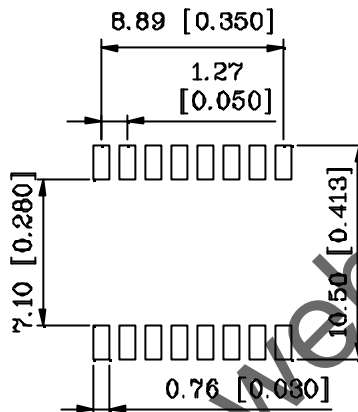
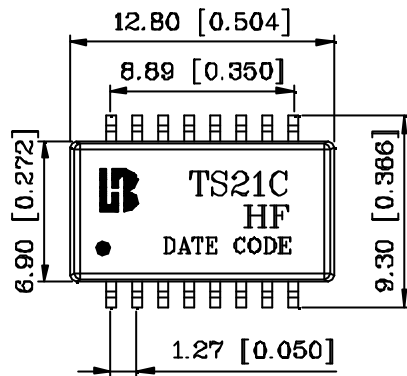
### Schematic



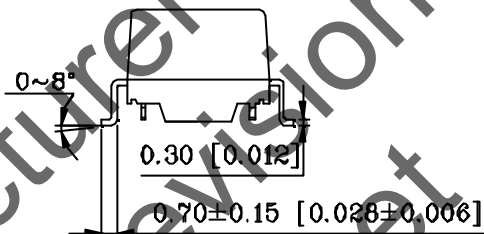
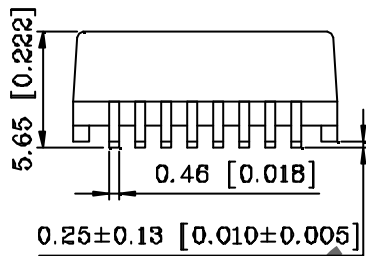
# 10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

## P/N: TS21C HF DATA SHEET

### Mechanical



SUGGESTED PAD LAYOUT



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

Refer to Manufacturers Website for the latest revision of this datasheet