



10/100 BASE-T SINGLE PORT SURFACE MOUNT MAGNETICS

### P/N:TS6125A DATA SHEET

#### Feature



- Designed to meet IEEE 802.3u requirement, including 350uH OCL with 8mA bias.
- Designed for reflow soldering at temperature up to 235°C.
- Operating temperature range:0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

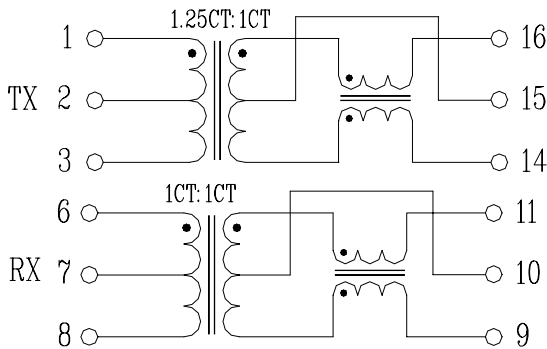
#### Electrical Specifications @ 25°C

Part Number	Turns Ratio(±3%)		OCL (uH Min) @ 100KHz/0.1V with 8mA Bias	Cross talk(dB Min)		PRI PINS	HI-POT (Vrms)
	1-3:16-14	6-8:11-9		0.3-60 MHz	60-100 MHz		
TS6125A	1.25CT :1CT	1CT:1C T	350	-45	-35	(1-3)&(6-8)	1500

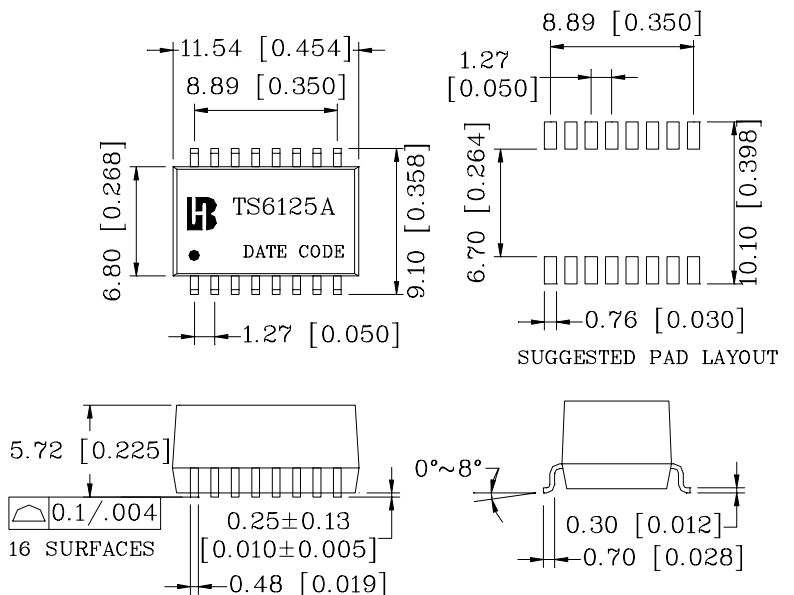
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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)TX/RX		
		0.3-100 MHz	30MHz	60MHz	80MHz	30MHz	60MHz
TS6125A	-1.1	-20	-14	-11.5	-40	-35	-30

#### Schematic



#### Mechanical



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