



# FCT-101,102,103

## FC-PH3 Dual Gigabit Transformers

### FEATURES

- Fast Rise Time
- Compliant with ANSI X3T9.5
- IEEE 802.3 Compliant

### OPTIONS

- Tape & Reel is Standart
- Custom Design GB Transformer

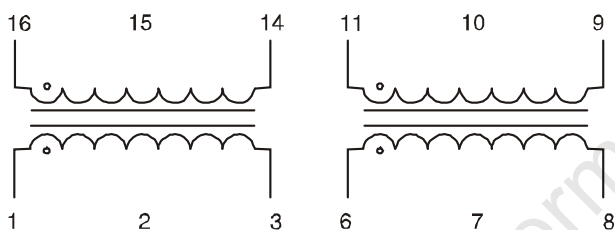
### APPLICATIONS

- Isolation and coupling
- Giga-Bit Dual Transformer
- 75Ohm Coaxial, 150Ohm STP

Part Number	Turns Ratio (±2%)	OCL (μH min.)	Rise Time (nS max.)	Low Freq. Cut Off (3dB)	L <sub>L</sub> (μH max.)	DCR (Ohm Max.)	Hipot (VRMS)
FCT-101	1:1	7.5	2.5		0.10	0.20	2000
FCT-102	1CT:1CT	5	3.5	≤ 2.5MHz	0.10	0.20	1500
FCT-103	1:1	5	3.5	≤ 2.5MHz	0.10	0.20	1500

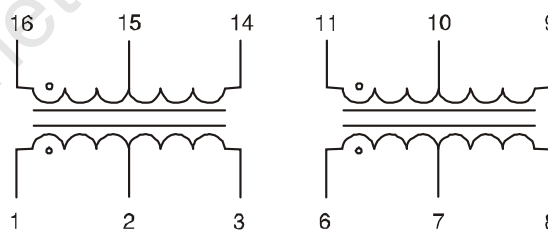
- Soldering methods: Wave, Reflow
- Operating Temperature: 0°C to 70°C
- Storage Temperature: -55°C to 125°C

### SCHEMATIC: FCT-101, 103



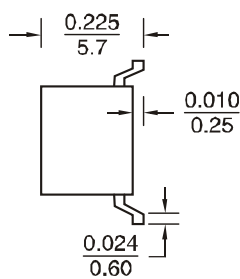
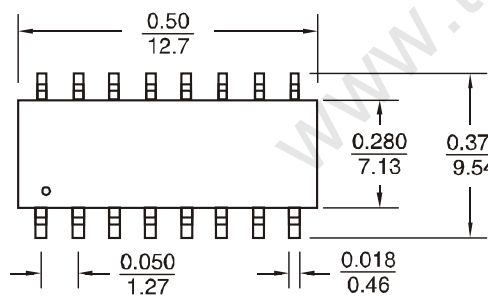
1:1 Dual Transformer

### SCHEMATIC: FCT-102

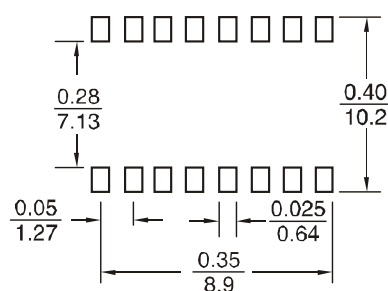


1CT:1CT Dual Transformer

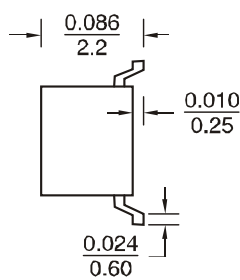
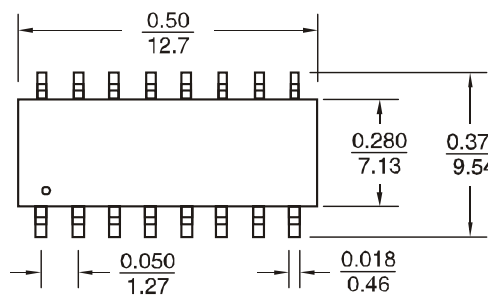
### PACKAGE:A



### Recommended Pad Layout



### PACKAGE:B



### Recommended Pad Layout

