



## 150 Ohm Twinax Cable Dual Gigabit Transformers

### Features

- Meets requirements of ANSI X3T9.5, FC-PH3 Fibre Channel Physical Layer Specification and IEEE 802.3z PMD
- Fast rise time
- Low profile, light weight SMD packages for pick and place compatibility while providing consistent and reliable coplanarity
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- Fully RoHS compliant and meets lead free reflow level J-STD-020C



### Electrical Specifications

Ratings @ 25°C ambient  
 Minimum Isolation Voltage: 1500Vrms  
 Operating Temperature Range: 0 to +85°C  
 Storage Temperature: -25°C to +125°C

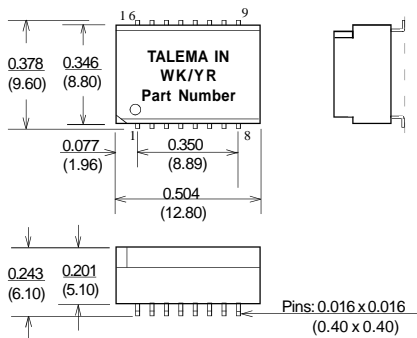
Inductance measured at 100kHz, 20mVrms  
 Standard Packaging: Tape & Reel  
 Weight: 2.5g

### Dual Gigabit Isolation Transformers for 150 Ohm Twinax Cable

Part Number	OCL (µH Min.)	Turns ratio ±5%	R <sub>CU</sub> P (mOhms)	Rise Time (ps Max) 20-80%	Low Frequency Cutoff (-3dB)	V <sub>P</sub> (Vrms)	Schematic
TCJ-5.5-A	5.50	1ct : 1ct	210	350	<2.5MHz	1500	A
TCJ-5.5-B	5.50	1 : 1	210	280	<2.5MHz	1500	B

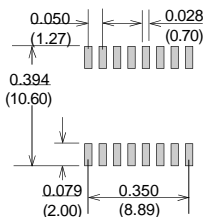
### Dimensions & Schematics

#### Package



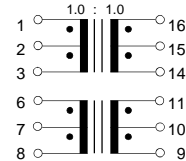
Surface coplanarity 0.004 (0.10) maximum

#### Suggested Pad Layout

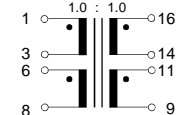


Dimensions: Inches (Millimeters)  
 Tolerance: ±0.010 (0.25) unless specified otherwise

#### A



#### B



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