



## 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: -10° to +85°C

Storage Temperature: -40°C to +125°C

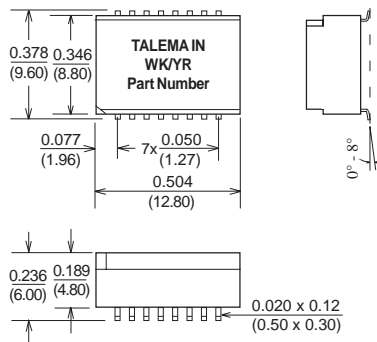
Inductance measured at 100kHz, 20mVrms

Standard Packaging: Tape & Reel

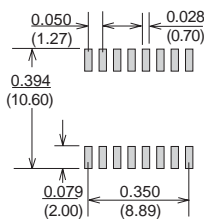
### Dual Gigabit Isolation Transformers for 150 Ohm Twinax Cable

| Part Number | OCL<br>( $\mu$ H Min.) | Turns ratio<br>$\pm 5\%$ | R <sub>CU</sub> P<br>(mOhms) | Rise Time<br>(ps Max)<br>20-80% | Low Frequency<br>Cutoff<br>(-3dB) | V <sub>P</sub><br>(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         |

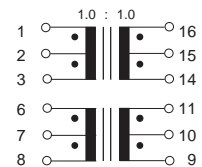
### Package



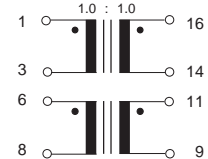
### Suggested Pad Layout



### A



### B



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