



## 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

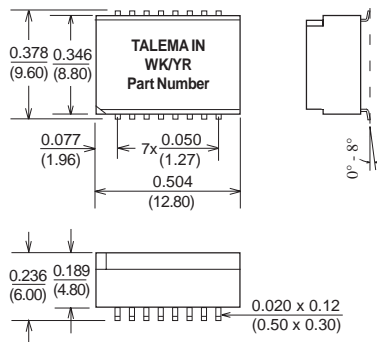
Inductance measured at 100kHz, 20mVrms

Standard Packaging: Tape & Reel

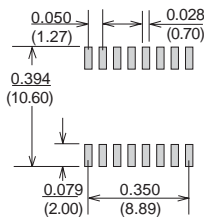
### Dual Gigabit Isolation Transformers for 150 Ohm Twinax Cable

| Part Number | OCL (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         |

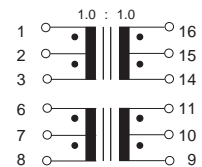
### Package



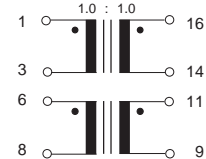
### Suggested Pad Layout



### A



### B



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