



## Dual Fibre Channel Transformers for 75 Ohm Coaxial & 150 Ohm STP Cable

### Features

- Complies with ANSI X3T9.5, FC-0 over 133, 266 and 531 Mbps data rates for up to 100 meters on coaxial and STP cable
- Fast rise time
- Low profile, light weight SMD packages for pick and place compatibility while providing consistent and reliable coplanarity
- 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: 2000Vrms

Operating Temperature Range: -10° to +85°C

Storage Temperature: -40°C to +125°C



Inductance measured at 100kHz, 20mVrms

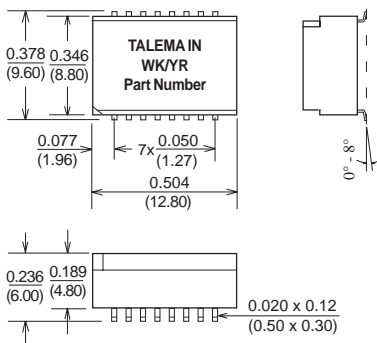
Standard Packaging: Tape & Reel

### Dual Fibre Channel Transformers

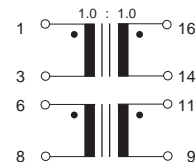
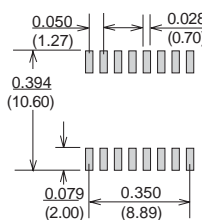
Part Number	OCL (µH Min.)	Turns ratio ±5%	R <sub>CU</sub> P (mOhms)	C <sub>WW</sub> (pF Max)	Rise Time (ns Max) 20-80%	L <sub>L</sub> sec (µH Max)	V <sub>P</sub> (Vrms)
FCJ-7.5	7.5	1 : 1	200	5.0	0.5	0.10	2000
FCJ-15	15	1 : 1	200	5.0	0.8	0.10	2000
FCJ-30	30	1 : 1	200	5.0	1.6	0.10	2000
FCJ-60	60	1 : 1	200	5.5	2.0	0.10	2000

### Dimensions & Schematics

#### Package



#### Suggested Pad Layout



### Sales & Marketing, Design and Manufacturing Facilities

<http://www.talema-nuvotem.com>

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