



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
- 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: 2000Vrms

Operating Temperature Range: 0 to +85°C

Storage Temperature: -25°C to +125°C

Inductance measured at 100kHz, 20mVrms

Standard Packaging: Tape & Reel

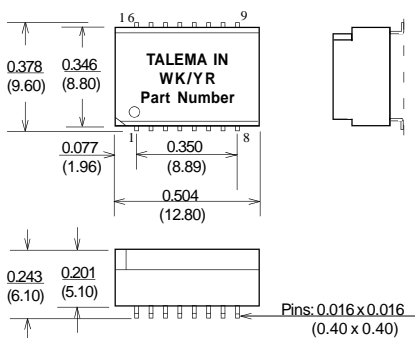
Weight: 2.5g

Dual Fibre Channel Transformers

Part Number	OCL (µH Min.)	Turns ratio ±5%	R _{CU} P (mOhms)	C _{WW} (pF Max)	Rise Time (ns Max) 20-80%	L _L sec (µH Max)	V _P (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

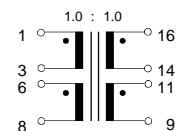
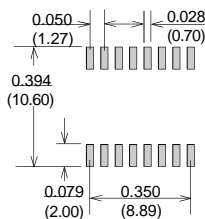
Dimensions & Schematics

Package



Surface coplanarity 0.004 (0.10) maximum

Suggested Pad Layout



Dimensions: Inches (Millimeters)

Tolerance: ±0.010 (0.25) unless specified otherwise

Sales & Marketing, Design and Manufacturing Facilities

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

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