



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

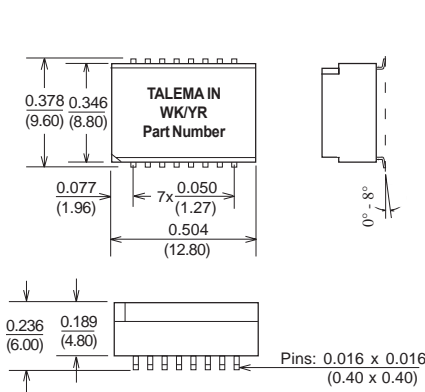
Inductance measured at 100kHz, 20mVrms

Standard Packaging: Tape & Reel

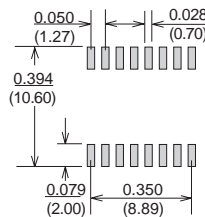
Dual Gigabit Isolation Transformers for 150 Ohm Twinax Cable

Part Number	OCL (µH Min.)	Turns ratio ±5%	R _{CU} P (mOhms)	Rise Time (ps Max) 20-80%	Low Frequency Cutoff (-3dB)	V _P (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

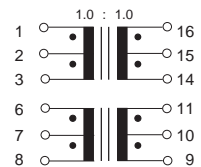
Package



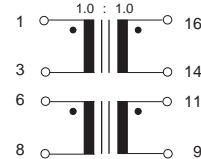
Suggested Pad Layout



A



B



Sales & Marketing, Design and Manufacturing Facilities

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

Eastern Europe & Czech Republic

NT MAGNETICS s.r.o.
 Chebská 27
 322 00 Plzeň
 Tel: Int. + 420 377 - 338 351
 Fax: Int. + 420 377 - 338 350
 Email: talema@talema.cz
 Web Site: www.ntmagnetics.cz

Germany

TALEMAELEKTRONIK GMBH
 Sembdnerstr. 5, Postfach 2523
 82110 Germering
 Tel: Int. + 49 89 - 841 00 - 0
 Fax: Int. + 49 89 - 841 00 25
 Email: info@talema.de

Ireland

NUVOTEMTEO.
 Crollý
 Co. Donegal
 Tel: Int. + 353 74 - 954 8666
 Fax: Int. + 353 74 - 954 8139
 Email: info@nuvotem.com

India

TALEMA ELECTRONIC PVT. LTD.
 Opposite the SIDCO Industrial Estate
 Gins Towers
 4/5S.H/1, Omalur Main Road
 Salem - 636 004, Tamil Nadu
 Tel: Int. + 91 427 - 244 1325
 Fax: Int. + 91 427 - 243 0034
 E-mail: talema@talemaindia.com
 Web Site: www.talemaindia.com