



COJ Series - Common Mode Octal Chokes for Quad Port T1/E1

Features

- Low profile (6.0mm) and light weight (4.0 g), Talema common mode choke modules provide excellent EMI reduction in Quad Port T1/E1 applications
- High density board placement with modular design
- SMD package facilitates pick and place compatibility while ensuring 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 @ 25°C

Nominal Voltage: 42Vac (50/60Hz), 80Vdc
 Operating Temperature: -25° to +85°C
 Storage Temperature: -40° to +125°C
 Climatic category: according to IEC68-1 25/85/56

Test voltage between windings: 500 Vrms
 Test Frequency: Inductance measured @ 100kHz/20mVrms

Standard packing in either anti-static tubes or in tape and reel
 Weight: ~ 4 grams

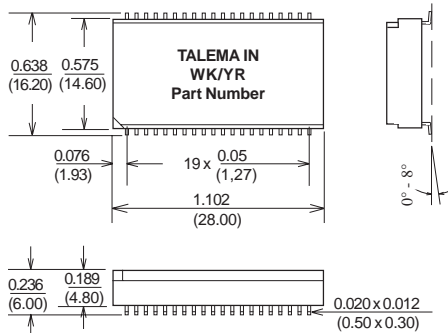
Application

The 16 data line common mode choke module has been designed for T1/E1 applications and provides excellent EMI suppression for data and signal line filtering

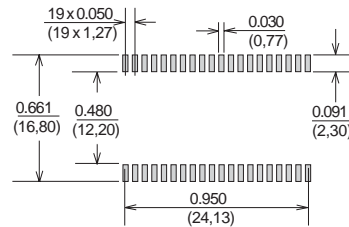
COJ Octal Common Mode Chokes for Data and Signal Line EMI Noise Suppression

Part Number	No. of Data Lines	OCL (µH Min.)	DCR (mOhms Typ.)	Common Mode Attenuation (dB Typ.)						
				100kHz	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz
COJ-16-470	16	47	200	13	27	40	44	42	36	26

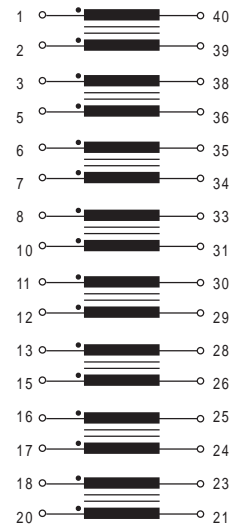
Package



Suggested Pad layout



Schematic



Sales & Marketing, Design and Manufacturing Facilities

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

Eastern Europe & Czech Republic

NT MAGNETICS s.r.o.
 Chebská 27
 322 00 Píseň
 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