



## 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 tape and reel  
 Weight: ~ 4 grams

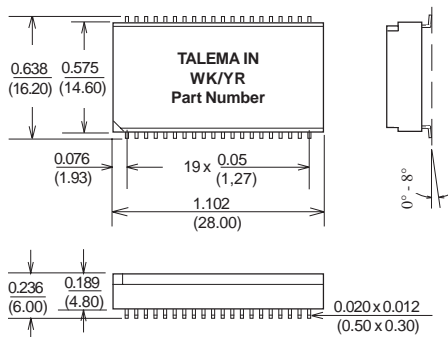
### Application

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	OCL (µH Min.)	DCR (mOhms Typ.)	Common Mode Attenuation (dB Typ.)						
			100kHz	300kHz	1MHz	3MHz	5MHz	10MHz	30MHz
COJ-16-502	5000	1900	26.4	38.2	40.1	32.2	26.4	20.8	15.6

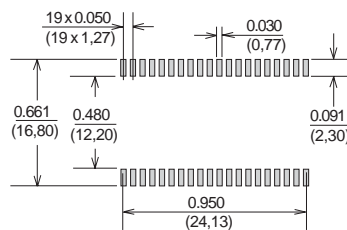
### Package



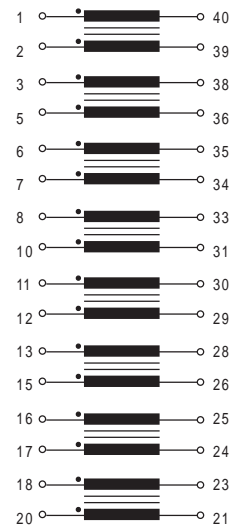
Surface coplanarity will be <0.004 (0.10)

Dimensions: Inches (Millimeters)  
 Tolerance: ±0.010 (0.25) unless specified otherwise

### Suggested Pad layout



### Schematic



### Sales & Marketing, Design and Manufacturing Facilities

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

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