



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

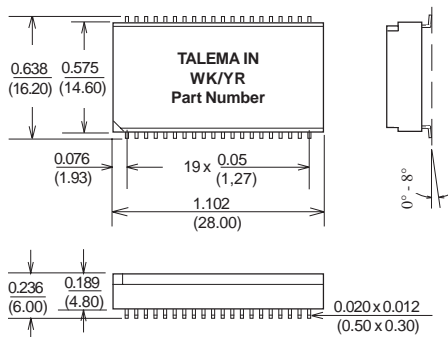
Application

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 (μ H 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

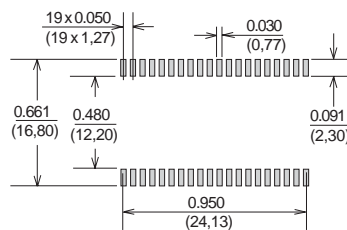


Surface coplanarity will be <0.004 (0.10)

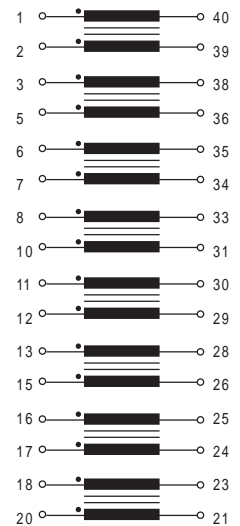
Dimensions: Inches (Millimeters)

Tolerance: \pm 0.010 (0.25) unless specified otherwise

Suggested Pad layout



Schematic



Sales & Marketing, Design and Manufacturing Facilities

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