

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

Features

- Low profile (5.8mm) 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
- Excellent quality at extremely competitive price due to high volume production
- Manufactured in ISO-9001 approved Talema facility

Electrical Specifications

Ratings @ 25°C ambient

Test voltage between windings: 500 Vrms

Operating Temperature Range: 0 to +70°C

Storage Temperature: -25°C to +105°C

Test Frequency: Inductance measured @ 100kHz/20mVrms



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

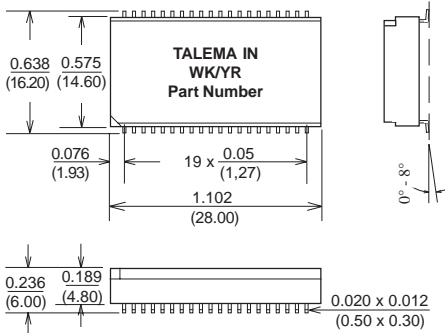
Applications

The Talema 16 data line common mode choke module has been designed for T1/E1 applications and provides 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	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz
COJ-16-470	47	200	7	27	40	44	42	36	26
			100kHz	300kHz	1MHz	3MHz	5MHz	10MHz	30MHz
COJ-16-502	5000	400	26.4	38.2	40.1	32.2	26.4	20.8	15.6

COJ Module

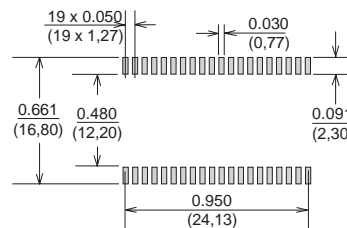


Surface coplanarity will be <math><0.004 (0.10)</math>

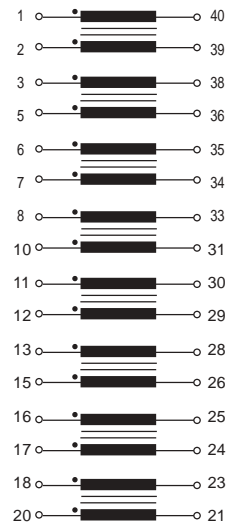
Dimensions: Inches (Millimeters)

Tolerance: $\pm 0.010 (0.25)$ unless specified otherwise

Suggested Pad layout



Schematic



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