



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

AlfaMag Electronics

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



Standard packing in tape and reel
 Weight: ~ 4 grams

Application

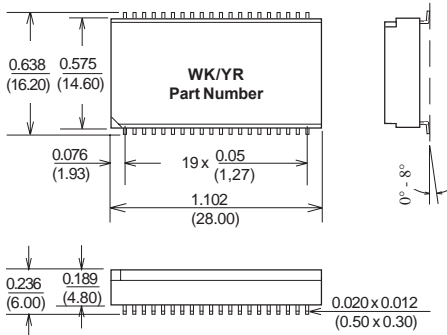
The 16 data line common mode choke module has been designed for T1/E1 applications and provides excellent EMI suppression for data and signal line filtering

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

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

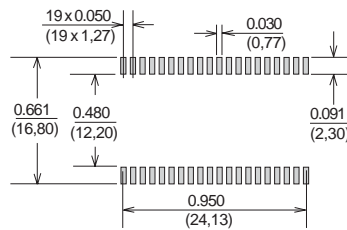
Package



Surface coplanarity will be <0.004 (0.10)

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

Suggested Pad layout



Schematic

