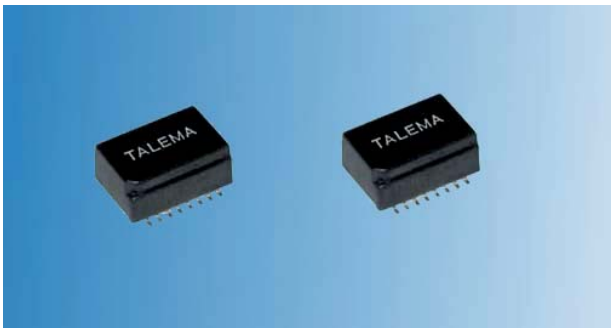
talemagroup

CUJ-16 • Miniature Chip Style SMD Common Mode Filter Chokes

Features

- EMI noise suppression for data and signal line filtering
- Low cost SMD common mode chokes are designed for pick and place compatability while providing consistent and reliable coplanarity
- High attenuation over a wide frequency range
- Manufactured in an ISO 9001:2008, ISO/TS 16949:2009 and ISO 14001:2004 certified Talema facility
- Fully RoHS & REACH 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:

Nominal Inductance: measured @ 100KHz/20mV
Leakage Inductance: measured @ 100KHz/100mV

Common Mode Chokes for Data and Signal Line EMI Noise Suppression

Part Number	Number of Data Lines	OCL (µH) ±30%	I_N (mA)	DCR (mOhms)	Number of Coils	Windings per Coil	Schematic
CUJ-240-16E	4	24	800	45	2	2	E
CUJ-340-16E	4	34	700	55	2	2	E
CUJ-101-16E	4	100	450	135	2	2	E
CUJ-471-16E	4	470	450	95	2	2	E
CUJ-102-16E	4	1000	450	135	2	2	E
CUJ-472-16E	4	4700	300	310	2	2	E
CUJ-240-16C	6	24	650	45	2	3	C
CUJ-470-16C	6	47	450	90	2	3	C
CUJ-101-16C	6	100	350	170	2	3	C
CUJ-471-16C	6	470	350	95	2	3	C
CUJ-102-16C	6	1000	330	170	2	3	C
CUJ-472-16C	6	4700	200	430	2	3	C
CUJ-240-16D	6	24	600	75	3	2	D
CUJ-470-16D	6	47	500	110	3	2	D
CUJ-680-16D	6	68	450	135	3	2	D
CUJ-471-16D	6	470	350	220	3	2	D
CUJ-102-16D	6	1000	350	220	3	2	D
CUJ-472-16D	6	4700	190	750	3	2	D
CUJ-240-16A	8	24	550	45	2	4	A
CUJ-470-16A	8	47	400	90	2	4	A
CUJ-101-16A	8	100	250	240	2	4	A
CUJ-471-16A	8	470	250	95	2	4	A
CUJ-102-16A	8	1000	250	240	2	4	A
CUJ-472-16A	8	4700	160	600	2	4	A
CUJ-240-16B	8	24	430	130	4	2	B
CUJ-470-16B	8	47	360	180	4	2	B
CUJ-101-16B	8	100	300	260	4	2	B
CUJ-471-16B	8	470	300	180	4	2	B
CUJ-102-16B	8	1000	300	240	4	2	B
CUJ-472-16B	8	4700	160	1180	4	2	B

Dimensions and Impedance Curves on following page

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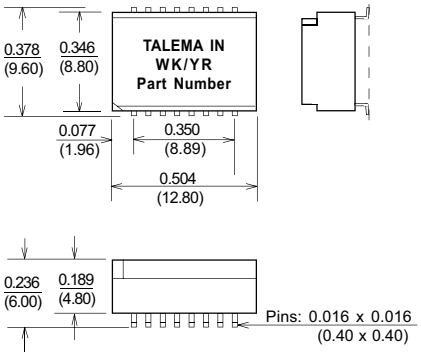
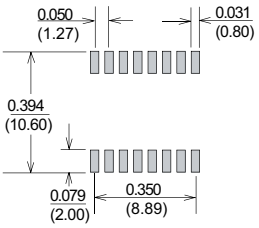
CUJ Packaging Style and Impedance Performance

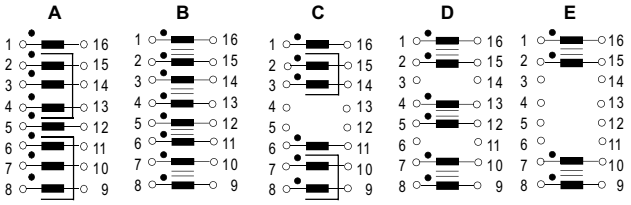
CUJ-XXX-16



Suggested Pad Layout



Schematics



Dimensions: Inches (Millimeters)

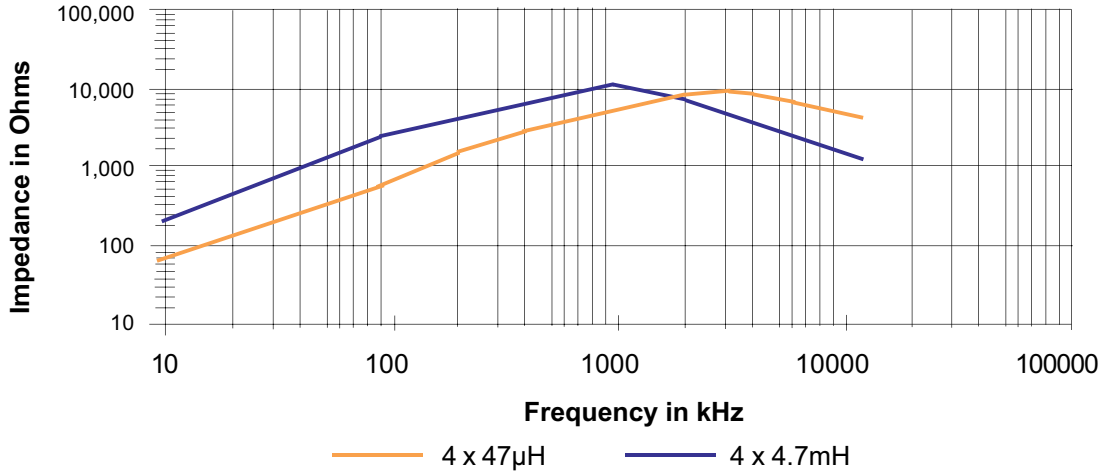
Tolerance: ±0.010 (0.25) unless otherwise specified

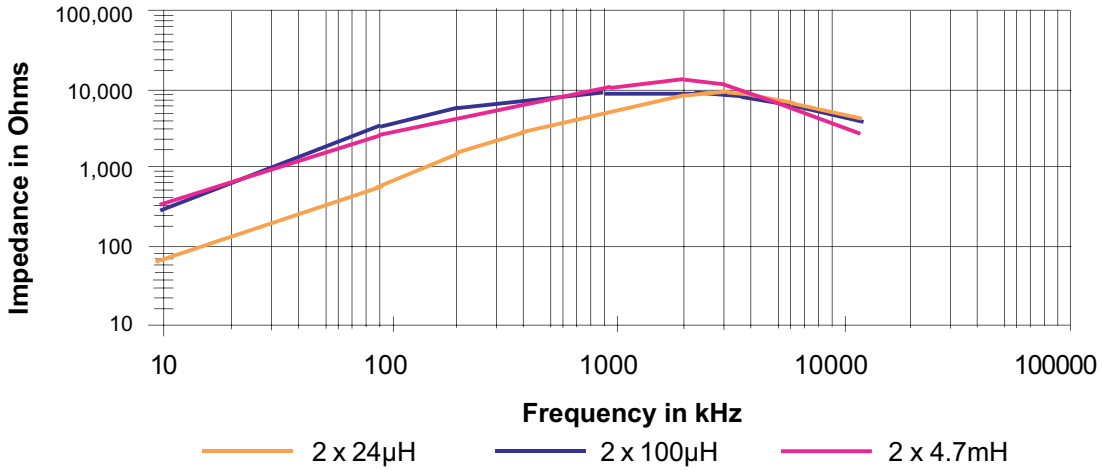
Surface Coplanarity will be 0.004(0.10) maximum

Packing Method: Tape and Reel; Qty/Reel: 600 Pcs

Impedance Performance

CUJ-XXX-16A Series Quadfilar Winding



Impedance Performance

CUJ-XXX-16B Series Bifilar Winding