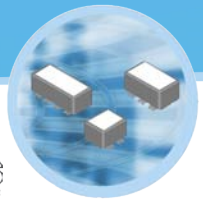


Common Mode Array - Series 22



- Up to 5 Amps Continuous Operating Capability
- 2, 3 & 4 Choke Array Versions
- Surface Mount
- Stable Performance Under Load
- Low Normal (Differential) Mode Impedance at 100 MHz

PART NUMBER SYSTEM EXAMPLE

CM	2722	R	800	R	-10
Product Series Code	Part Size Code	Rated Current Code	Impedance Value Code	Packaging Code	Additional Description

Part Number	ONE PASS TYPICAL IMPEDANCE (Ω)				ONE PASS TYPICAL PEAK		DCR MAX (Ω)	Rated I MAX (continuous) mA
	Z @ 25 MHz	Z @ 100 MHz	Z @ 500 MHz	Z @ 1 GHz	Impedance (Ω)	Impedance Frequency (MHz)		
CM2722R800R-10	60	80	92	98	140	3000	0.0200	5,000
CM2722R151R-10	113	150	165	165	168	1783	0.0200	5,000
CM2722R201R-10	141	200	202	187	206	272	0.0200	5,000
CM3822R800R-10	63	80	97	105	151	3000	0.0200	5,000
CM3822R151R-10	108	150	170	169	172	1646	0.0200	5,000
CM3822R201R-10	140	200	207	187	213	218	0.0200	5,000
CM5022R800R-10	61	80	95	102	150	3000	0.0200	5,000
CM5022R151R-10	112	150	165	167	177	2092	0.0200	5,000
CM5022R201R-10	144	200	206	188	210	306	0.0200	5,000

Part Number	Fig #	# of Chokes	A mm (inches)	B mm (inches)	C mm (inches)
CM2722R800R-10	1	2	6.99 (0.275)	5.72 (0.225)	4.32 (0.170)
CM2722R151R-10	1	2	6.99 (0.275)	5.72 (0.225)	7.62 (0.300)
CM2722R201R-10	1	2	6.99 (0.275)	5.72 (0.225)	9.53 (0.375)
CM3822R800R-10	2	3	9.78 (0.385)	5.72 (0.225)	4.32 (0.170)
CM3822R151R-10	2	3	9.78 (0.385)	5.72 (0.225)	7.62 (0.300)
CM3822R201R-10	2	3	9.78 (0.385)	5.72 (0.225)	9.53 (0.375)
CM5022R800R-10	3	4	12.57 (0.495)	5.72 (0.225)	4.32 (0.170)
CM5022R151R-10	3	4	12.57 (0.495)	5.72 (0.225)	7.62 (0.300)
CM5022R201R-10	3	4	12.57 (0.495)	5.72 (0.225)	9.53 (0.375)

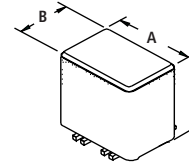


Figure 1
Two Chokes

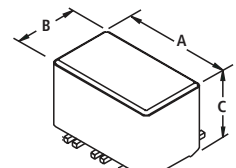


Figure 2
Three Chokes

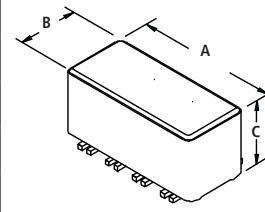


Figure 3
Four Chokes

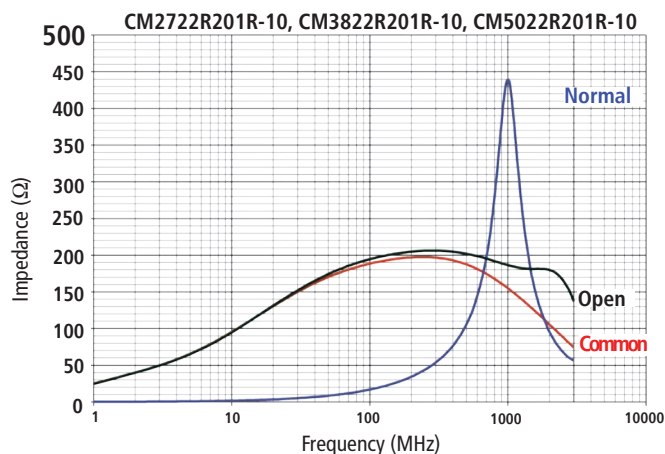
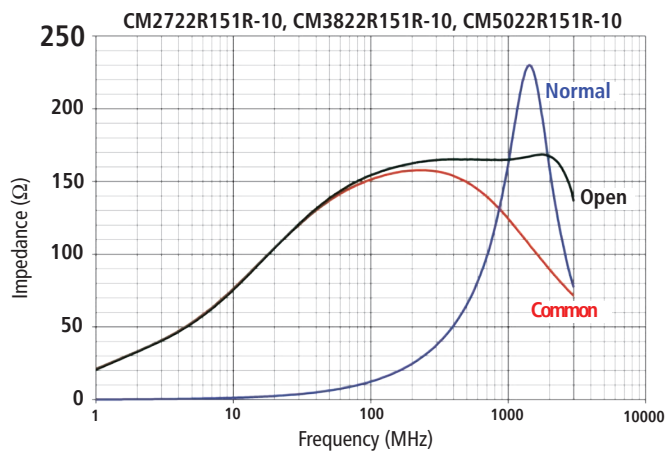
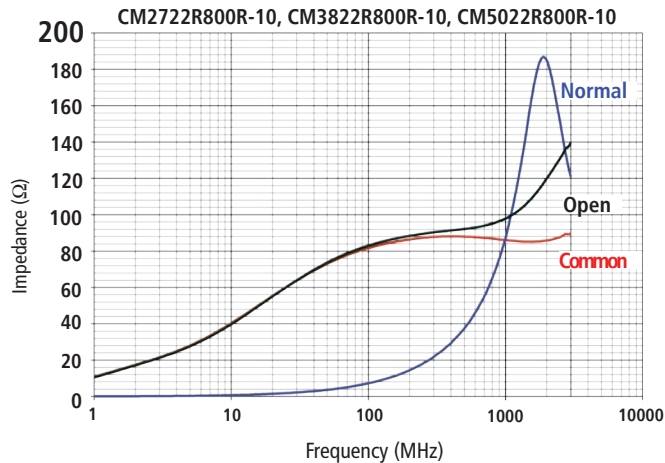
Side by side arrays can be installed in series to multiply impedance

Part Number	# of Chokes	TYPICAL IMPEDANCE (Ω) FOR MULTIPLE PASS BOARD LAYOUT OPTIONS											
		One Pass			Two Pass			Three Pass			Four Pass		
		100 MHz	500 MHz	1 GHz	100 MHz	500 MHz	1 GHz	100 MHz	500 MHz	1 GHz	100 MHz	500 MHz	1 GHz
CM2722R800R-10	2	80	92	98	174	190	173	-	-	-	-	-	-
CM2722R151R-10	2	150	165	165	292	311	222	-	-	-	-	-	-
CM2722R201R-10	2	200	202	187	433	362	187	-	-	-	-	-	-
CM3822R800R-10	3	80	97	105	174	190	173	304	334	257	-	-	-
CM3822R151R-10	3	150	170	169	292	311	222	490	448	226	-	-	-
CM3822R201R-10	3	200	207	187	433	362	187	670	470	208	-	-	-
CM5022R800R-10	4	80	95	102	174	190	173	304	334	257	389	446	283
CM5022R151R-10	4	150	165	167	292	311	222	490	448	226	674	535	229
CM5022R201R-10	4	200	206	188	433	362	187	670	470	208	945	499	212

Common Mode Array, Series 22 Impedance

Part Impedance

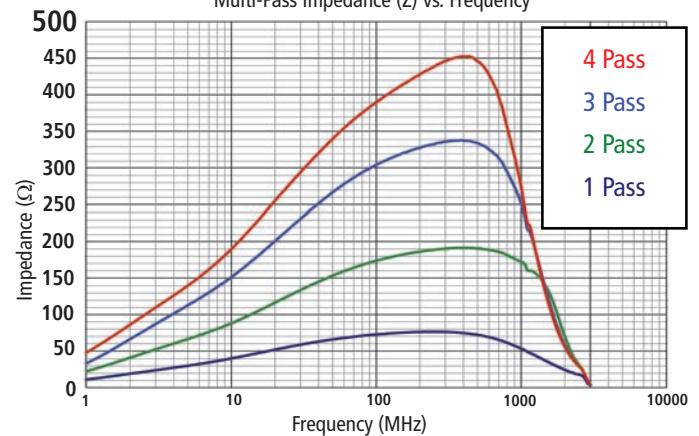
Normal (Differential) / Open / Common



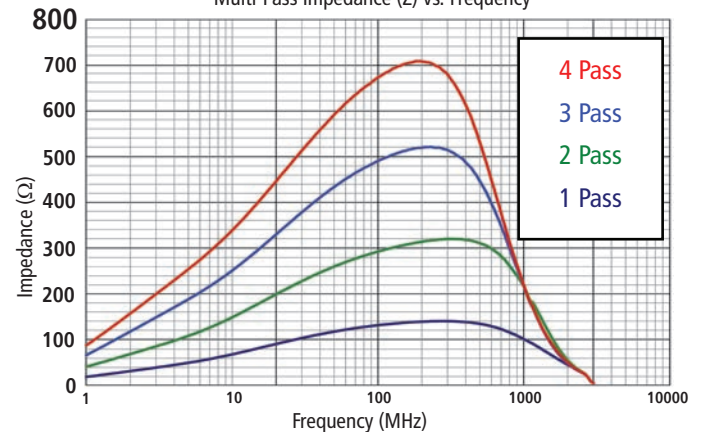
Multi-Pass Impedance

(for multiple pass board layout options)

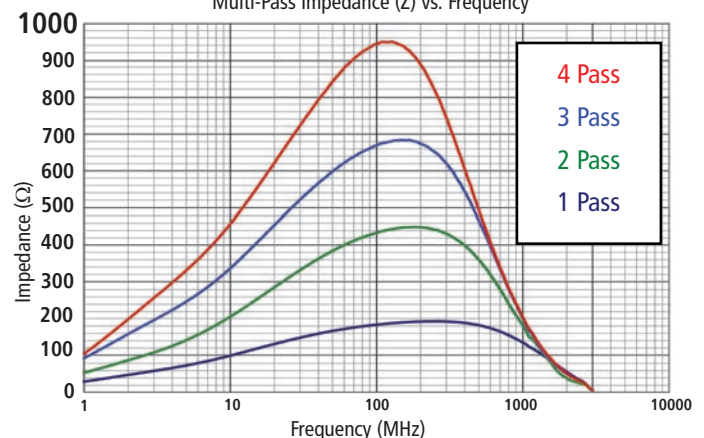
CM2722R800R-10, CM3822R800R-10, CM5022R800R-10
Multi-Pass Impedance (Z) vs. Frequency



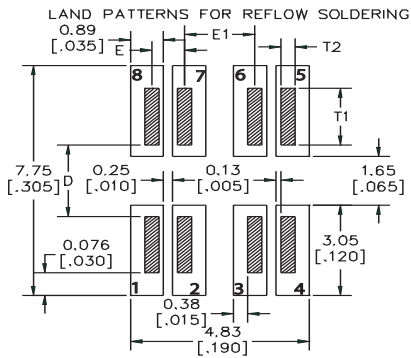
CM2722R151R-10, CM3822R151R-10, CM5022R151R-10
Multi-Pass Impedance (Z) vs. Frequency



CM2722R201R-10, CM3822R201R-10, CM5022R201R-10
Multi-Pass Impedance (Z) vs. Frequency

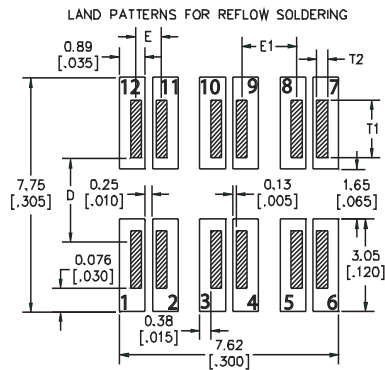


CM2722



* WIRE LENGTH [T1 = 1.91 (.075)]

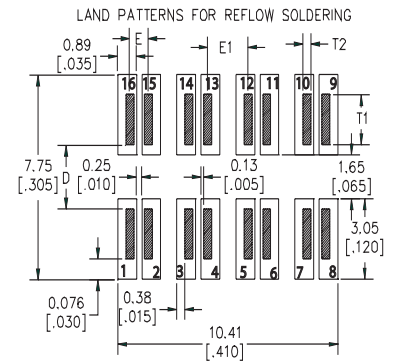
CM3822



* WIRE WIDTH [T2 = 0.38 (.015)]

* WIRE THICKNESS [T3 = 0.38 (.015)]

CM5022



(SEE FIGURE 1,2 or 3)

Laird Technologies, produces an extensive line of ferrite products for inductive and EMI filtering applications. Products include ferrite EMI cable cores, connector plates, unique common mode chokes, can-bus chokes, high current thru hole and surface mount components, impedance chip beads, surface mount inductors and toroid inductor cores.

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