

# Common Mode Monolithic Chip Beads

- Up To 10 Amps Continuous Operation
- Stable Under Load
- Low Profile
- Monolithic
- Small Footprint
- Vibration Resistant

Surface Mount Common Mode Chip Beads offer low profile, compact filtering of common mode noise (EMI) for applications carrying up to 10 amps of continuous current. The advanced monolithic construction provides low profiles with a package size as small as EIA 1812, perfect for filtering power supply circuits in notebook computers, power adapters, and other mobile products. Servers, workstations, and consumer products benefit as the compact packages allow increased component density in high current circuits. All versions are lead-free and RoHS compliant. Stable performance under load.

## PART NUMBER SYSTEM EXAMPLE

<b>CM</b>	<b>1812</b>	<b>R</b>	<b>600</b>	<b>R</b>	<b>-10</b>
Product Series Code	Part Size Code	Rated Current Code	Impedance Value Code	Packaging Code	Additional Description

Part Number	TYPICAL IMPEDANCE ( $\Omega$ )				Typical Peak Impedance ( $\Omega$ )	Typical Peak Impedance Frequency ( MHz )	DCR MAX ( $\Omega$ )	Rated I MAX (continuous) mA
	Z @ 25 MHz	Z @ 100 MHz	Z @ 500 MHz	Z @ 1 GHz				
CM1812R600R-10	22	60	112	138	146	1519	0.0005	5,000
CM1812X330R-10	18	33	62	74	88	2359	0.0030	10,000
CM1922X330R-10	14	33	64	86	93	1783	0.0030	10,000
CM3312R111R-10	44	110	168	165	170	800	0.0050	5,000
CM3322P400R-10	13	40	121	185	251	1931	0.0300	4,000
CM3322U610R-10	26	61	123	170	191	1581	0.0090	7,000
CM3322X630R-10	26	63	114	152	165	1459	0.0080	10,000

Part Number	Fig #	EIA PKG. SIZE	METRIC PKG. SIZE	A mm (inches)	B mm (inches)	C mm (inches)
CM1812R600R-10	2	1812	4532	4.57 (0.180)	3.05 (0.120)	2.36 (0.093)
CM1812X330R-10	2	1812	4532	4.57 (0.180)	3.05 (0.120)	1.60 (0.063)
CM1922X330R-10	1	1922	4756	4.70 (0.185)	5.60 (0.220)	2.85 (0.112)
CM3312R111R-10	2	3312	8531	8.50 (0.335)	3.05 (0.120)	2.36 (0.093)
CM3322P400R-10	1	3322	8556	8.50 (0.335)	5.60 (0.220)	2.10 (0.083)
CM3322U610R-10	1	3322	8556	8.50 (0.335)	5.60 (0.220)	2.10 (0.083)
CM3322X630R-10	1	3322	8556	8.50 (0.335)	5.60 (0.220)	2.85 (0.112)

Figure 1

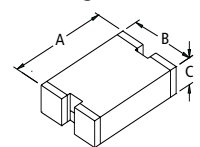
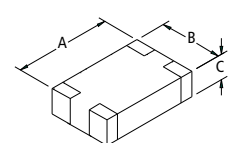


Figure 2



Parts have no polarity.

See Page 41 for Equivalent Circuit Examples. Common Mode Choke Master List on Pages 42 & 43.