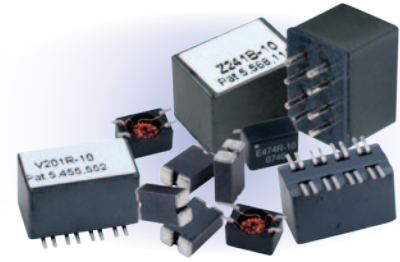


COMMON MODE CHOKES

FEATURES

- Monolithic construction up to 10 Amps
- Wire wound SMT and through hole structure rated current up to 75 Amps
- Low DCR with small package
- Stable performance under load bias
- Excellent impedance vs frequency feature
- Small size and high reliability
- For power, low frequency and high frequency signal lines
- For USB, HDMI, 1394, DVI, S-ATA, LVDS signal line applications
- Suitable for power saving especially for portable application



PART NUMBERING SYSTEM

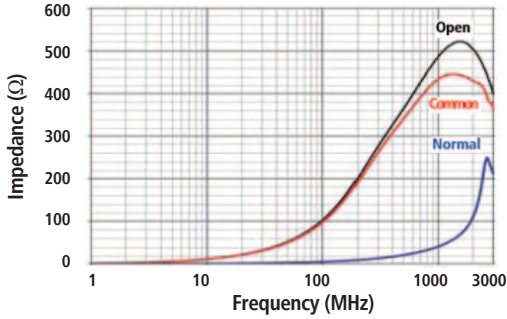
CM	0805	D	900	R	-10
Product Series Code	EIA Size Code	Rated Current Code	Inductance Value Code	Packing Code	Additional Description

HIGH SPEED SERIAL INTERFACE COMMON MODE CHOKE

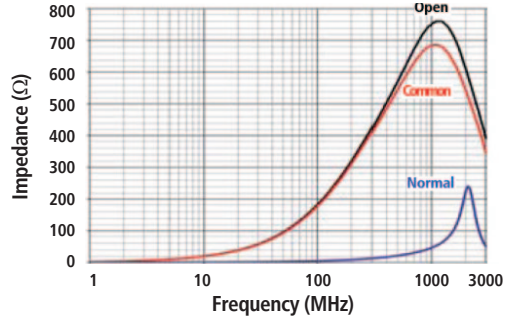
APPLICATION	TYPE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) (mA)
			Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
USB2.0/LVDS	Wire-wound (For 2 lines)	CM0805D900R-10	24	90	340	435	445	1405	0.3	400
		CM0805C161R-10	49	160	540	684	684	1000	0.35	300
		CM0805C221R-10	57	220	570	720	724	1147	0.4	300
		CM0805A371R-10	186	370	730	878	878	1000	0.5	100
		CM0805C601R-10	265	600	1080	1227	1264	782	0.375	250
HDMI/DVI/SATA		CH0805D900R-10	48	90	249	339	494	2000	0.3	400
USB/Signal Line	Multi-layer (For 2 lines)	CF0504C900R-10	28	90	210	148	217	583	0.6	300
		CF0504C121R-10	33	120	250	145	250	500	0.6	300
		CF0805D670R-10	24	67	196	98	166	510	0.4	400
		CF0805D900R-10	32	90	210	106	220	435	0.4	400
		CF0805D121R-10	36	120	240	103	260	397	0.4	400
		CF0805D181R-10	48	180	123	42	277	210	0.5	400
		CF0805C221R-10	50	220	109	33	296	180	0.5	300

COMMON MODE CHOKES

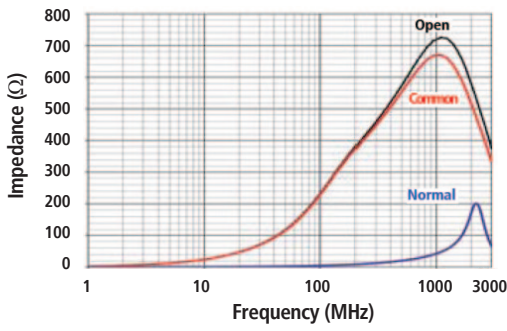
CM0805D900R-10



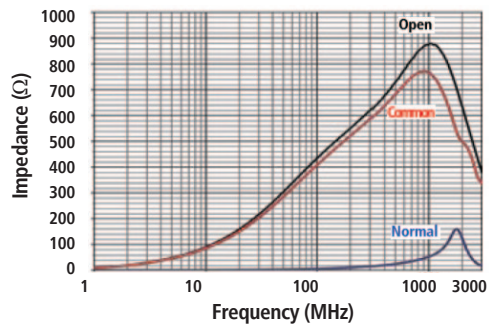
CM0805C161R-10



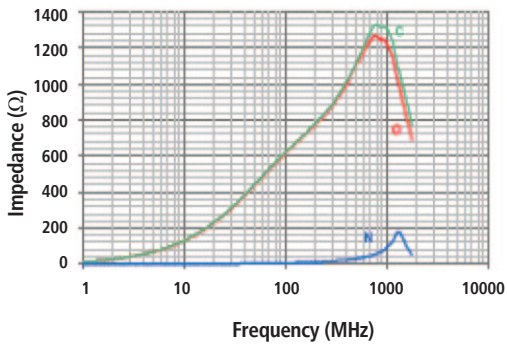
CM0805C221R-10



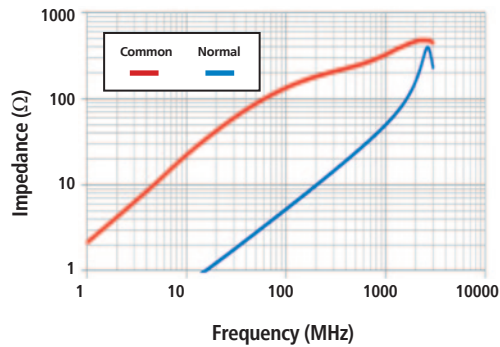
CM0805A371R-10



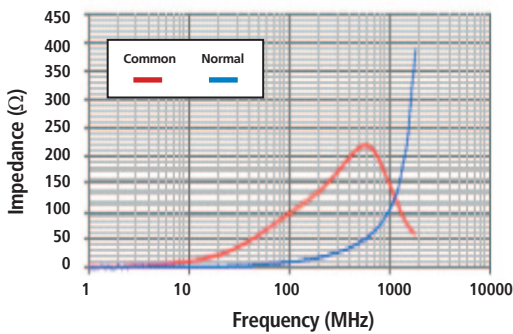
CM0805C601R-10



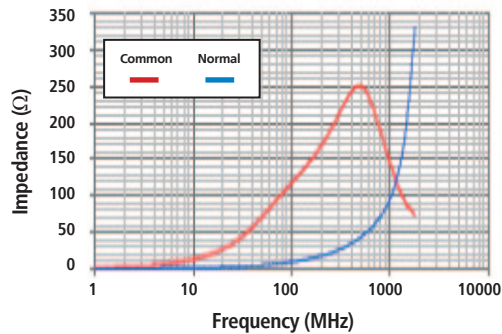
CH0805D900R-10



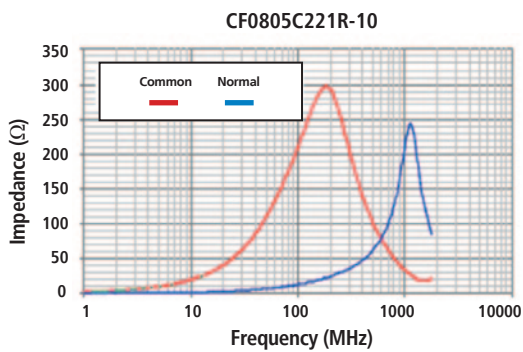
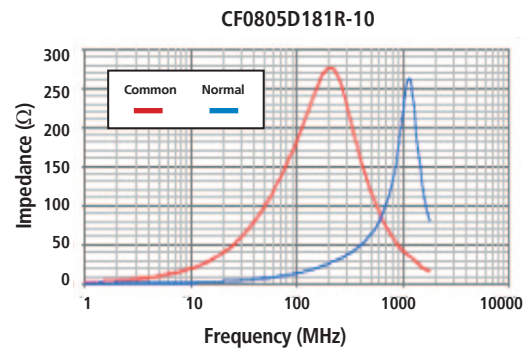
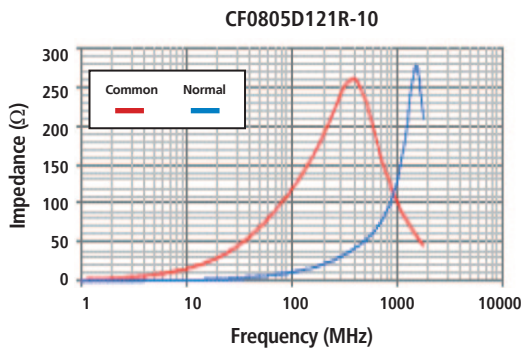
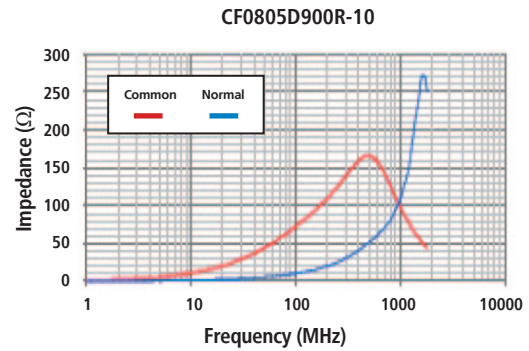
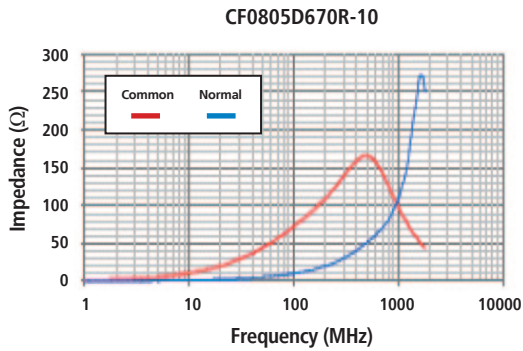
CF0504C900R-10



CF0504C121R-10



COMMON MODE CHOKES



DIMENSION

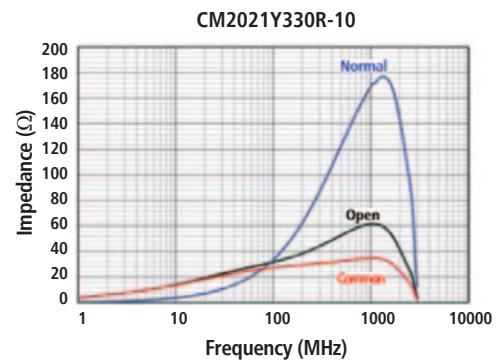
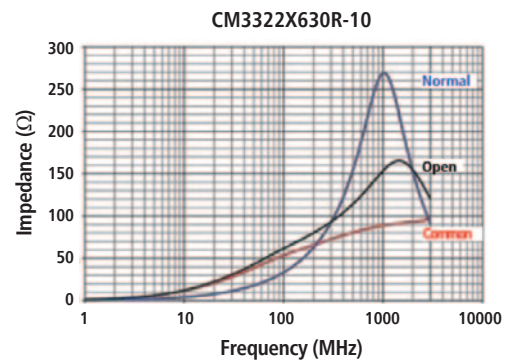
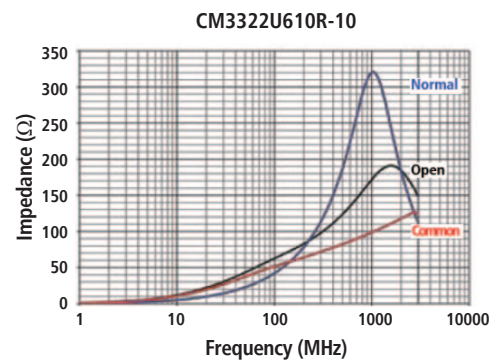
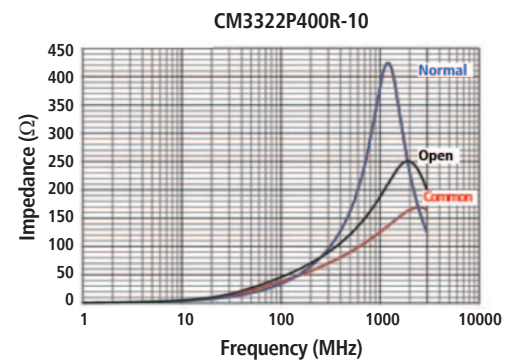
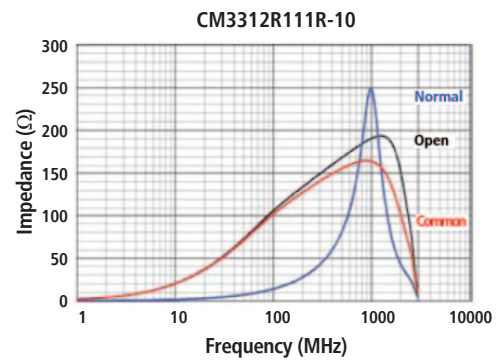
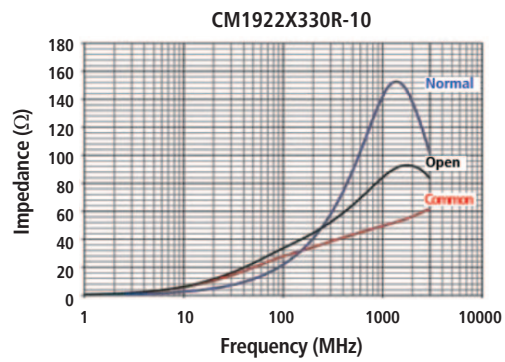
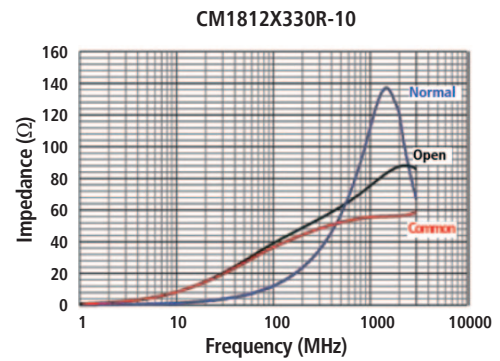
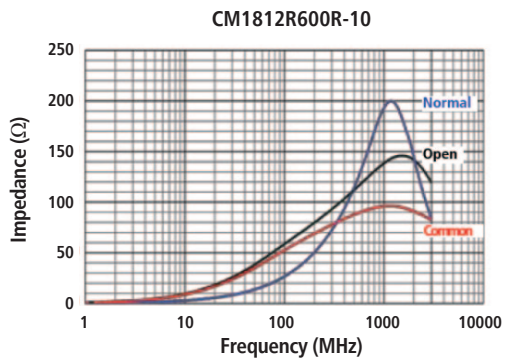
PART NUMBER	EIA PKG SIZE	METRIC PKG SIZE	A mm (INCHES)	B mm (INCHES)	C mm (INCHES)	D mm (INCHES)	D1 mm (INCHES)	E mm (INCHES)	
CM0805 CH0805	0805	2012	2.00 (0.079)	1.20 (0.047)	1.20 (0.047)	-	-	-	
CF0504	0504	1210	1.25 (0.049)	1.00 (0.039)	0.82 (0.032)	0.30 (0.012)	0.20 (0.008)	0.50 (0.020)	
CF0805	0805	2012	2.00 (0.079)	1.25 (0.049)	1.00 (0.039)	0.30 (0.012)	-	0.40 (0.016)	

COMMON MODE CHOKES

POWER LINES COMMON MODE CHOKE

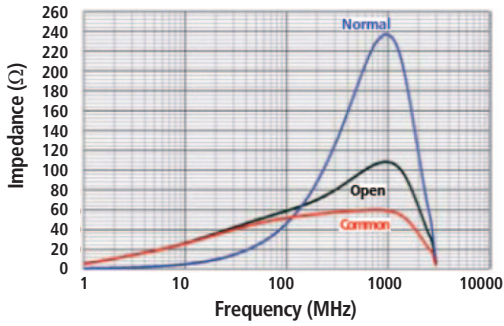
APPLICATION	TYPE	PART NUMBER	TYPICAL IMPEDANCE (Ω)				TYPICAL PEAK IMPEDANCE (Ω)	PEAK IMPEDANCE FREQUENCY (MHZ)	DCR MAX (Ω)	RATED I MAX (CONTINUOUS) (mA)
			Z @ 25 MHZ	Z @ 100 MHZ	Z @ 500 MHZ	Z @ 1 GHZ				
Power Lines	Multilayer (For 2 lines)	CM1812X330R-10	18	33	62	74	88	2359	0.003	10,000
		CM1812R600R-10	22	60	112	138	146	1519	0.001	5,000
		CM1922X330R-10	14	33	64	86	93	1783	0.003	10,000
		CM3312R111R-10	44	110	168	165	170	800	0.005	5,000
		CM3322P400R-10	13	40	121	185	251	1931	0.03	4,000
		CM3322U610R-10	26	61	123	170	191	1581	0.009	7,000
	Surface Mount (For 2 lines)	CM3322X630R-10	26	63	114	152	165	1459	0.008	10,000
		CM2021Y330R-10	18	33	52	61	62	1100	0.0008	15,000
	Thru-Hole (For 2 lines)	CM3421Y600R-10	39	60	96	110	110	1000	0.0008	15,000
		CM3440Z171B-10	116	170	189	202	202	1000	0.001	20,000
	Thru-Hole (For 4 lines)	CM5740Z171B-10	116	170	189	202	202	1000	0.001	20,000
	Surface Mount (For 2 lines)	CM3440Z171R-10	116	170	189	202	202	1000	0.001	20,000
	Surface Mount (For 4 lines)	CM5740Z171R-10	116	170	189	202	202	1000	0.001	20,000
	Surface Mount (For 3 lines)	CM4440Z111R-10	79	110	122	117	122	500	0.001	20,000
	Thru-Hole (For 2 lines)	CM5441Z101B-10	79	100	188	183	204	682	0.0003	30,000 mA @ 25°C Temp Rise
		CM5441Z161B-10	112	160	261	146	263	457	0.0003	70,000 mA @ 30 °C Temp Rise

COMMON MODE CHOKES

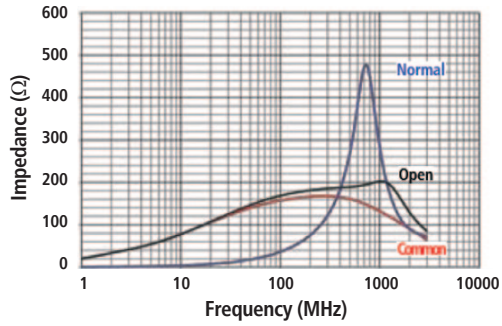


COMMON MODE CHOKES

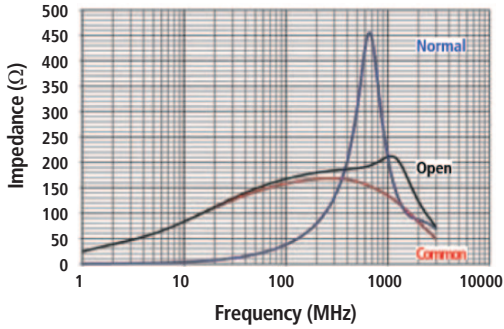
CM3421Y600R-10



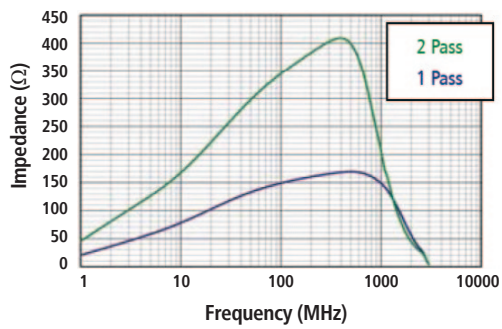
CM3440Z171B-10 CM3440Z171R-10



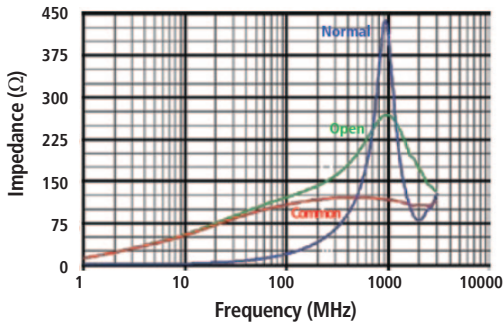
CM5740Z171B-10 CM5740Z171R-10



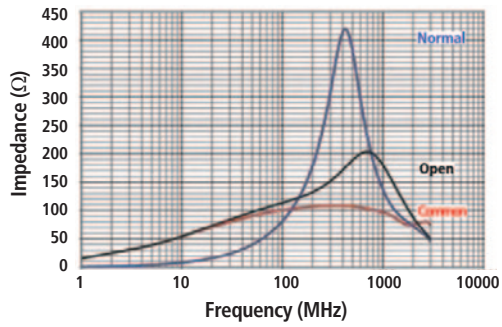
CM5740Z171B-10 CM5740Z171R-10



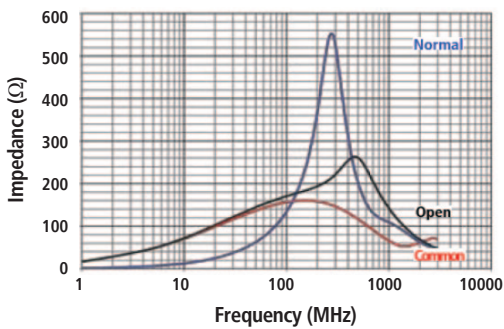
CM4440Z111R-10



CM5441Z101B-10 CM5441Z101B-13

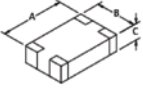


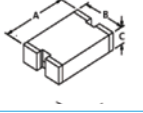

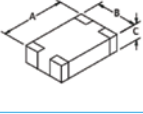
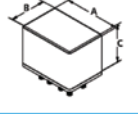
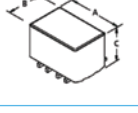
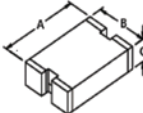
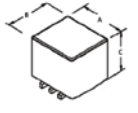
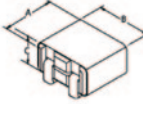


CM5441Z161B-10 CM5441Z161B-13



COMMON MODE CHOKES

DIMENSION

PART NUMBER	A mm (INCHES)	B mm (INCHES)	C mm (INCHES)		PART NUMBER	A mm (INCHES)	B mm (INCHES)	C mm (INCHES)	
CM1812R600R-10	4.57 (0.180)	3.05 (0.120)	2.36 (0.093)		CM3421Y600R-10	8.68 (0.342)	5.60 (0.220)	2.85 (0.112)	
CM1812X330R-10	4.57 (0.180)	3.05 (0.120)	1.60 (0.063)		CM3440Z171B-10	8.51 (0.335)	10.03 (0.395)	9.32 (0.367)	
CM1922X330R-10	4.70 (0.185)	5.60 (0.220)	2.85 (0.112)		CM3440Z171R-10	8.51 (0.335)	10.03 (0.395)	9.32 (0.367)	
CM3312R111R-10	8.50 (0.335)	3.05 (0.120)	2.36 (0.093)		CM5740Z171B-10	14.48 (0.570)	10.03 (0.395)	9.32 (0.367)	
CM3322P400R-10	8.50 (0.335)	5.60 (0.220)	2.10 (0.083)		CM5740Z171R-10	14.48 (0.570)	10.03 (0.395)	9.32 (0.367)	
CM3322U610R-10	8.50 (0.335)	5.60 (0.220)	2.10 (0.083)		CM4440Z111R-10	11.05 (0.435)	10.03 (0.395)	9.32 (0.367)	
CM3322X630R-10	8.50 (0.335)	5.60 (0.220)	2.85 (0.112)		CM5441Z101B-10	13.72 (0.540)	10.41 (0.410)	10.52 (0.414)	
CM2021Y330R-10	5.00 (0.197)	5.60 (0.220)	2.85 (0.112)		CM5441Z161B-10	13.72 (0.540)	10.41 (0.410)	15.24 (0.600)	