



■ 高Q值COG多层片状陶瓷电容器 Hi-Q COG MLCC

● 应用：

适合于射频RF电路及要求Hi-Q、低ESR、高频率响应的微波电路中。

● APPLICATION：

Hi-Q COG capacitors are ideally suited for RF and microwave application requiring high Q, low ESR, and high resonant frequency.

● CQ、CF电容器说明：

- * 下述Q值标准是相对通用客户而制定的，对要求更高Q值产品的客户，可专门设计和生产。
- * 使用频率在1MHz~3GHz之间，对要求更高频率产品的客户，可根据客户的要求另外专门设计。
- * CQ比CF相对可应用频率略高，请客户依需选定。

● NOTE FOR CQ AND CF：

- * The following Q value is just confirmed by general customer. If there is a higher requirement for Q value requirements, we can design and produce according to the special requirements.
- * For the customer whose requirements for frequency is between 1MHz and 3GHz or higher frequency, we can design it according to their requirements.
- * The frequency of CQ is a little higher than that of CF.
- * Please choose them according to your requirements.

● 尺寸 DIMENSIONS

尺寸规格 Size Code	尺寸Dimensions (mm)			
	L	W	T	WB
0603	1.60 ± 0.10	0.80 ± 0.10	0.80 ± 0.10	0.30 ± 0.10
0805	2.00 ± 0.20	1.25 ± 0.20	0.70 ± 0.20 1.00 ± 0.20 1.25 ± 0.20	0.50 ± 0.20

● CQ 电容器的容量值及其Q值 CQ CAPACITANCE VALUE AND Q VALUE:

容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz		容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz		容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz	
	0805	0603		0805	0603		0805	0603
4.7	1000	800	11	450	360	24	200	160
5.2	900	720	12	400	320	27	175	140
5.6	850	680	13	375	300	30	150	120
6.2	800	640	14	350	280	33	140	112
6.8	700	560	15	325	260	36	130	104
7.5	650	520	16	300	240	39	120	96
8.2	575	460	18	250	200	43	110	88
9.1	525	420	20	225	180	47	100	80
10	500	400	22	215	172	---	---	---

MULTILAYER CHIP CERAMIC CAPACITOR

• CF 电容器的容量值及其Q值 CF CAPACITANCE VALUE AND Q VALUE:

容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz		容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz		容量 Capacitance (pF)	300MHz时的Q值 Q value at 300MHz	
	0805	0603		0805	0603		0805	0603
4.7	400	320	15	130	104	47	40	32
5.2	360	288	16	120	96	51	36	29
5.6	340	272	18	100	80	56	34	28
6.2	320	256	20	90	72	62	32	26
6.8	280	224	22	86	69	68	30	24
7.5	260	208	24	80	64	75	28	23
8.2	230	184	27	70	56	82	26	21
9.1	210	168	30	60	48	91	24	20
10	200	160	33	56	45	100	22	18
11	180	144	36	52	42	110	20	16
12	160	128	39	48	39	120	28	15
13	150	120	43	44	36	130	16	13
14	140	112	---	---	---	---	---	---