CCAF

1， Feature

◆Chip structure, suitable for surface mount；
◆National military standard；
◆Each batch is DPA, and 100% of the products are screened for temperature shock and high temperature load。

2， Application

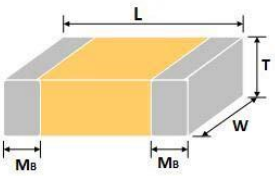
I dielectric： Resonant circuits, coupling circuits and circuits requiring low loss, high capacitance stability and high insulation resistance
II dielectric: Circuits with bypass, filter, low frequency coupling or low requirements for loss and capacitance stability

3, Part number sample

CCAF	0805	CG	101	J	1H	6
series	size code	temperature coefficient	Capacitance code	tolerance code	voltage code	failure rate class

6 failure rate class 6 / **5** failure rate class 5　aerospace technology

size code（unit：mm）

outline	size	0402	0603	0805	1210	1812
 unit：mm	L	1.00±0.10	1.60±0.15	2.00±0.30	3.20±0.40	4.50±0.50
	W	0.50±0.10	0.80±0.15	1.25±0.20	2.50±0.30	3.20±0.40
	T max	0.60	1.00	1.50	2.80	3.50
	size	2220	2225	3025	/	/
	L	5.70±0.50	5.70±0.50	7.50±0.50	/	/
	W	5.00±0.50	6.50±0.50	6.30±0.50	/	/
	T max	5.10	5.10	5.00	/	/
	M_B	0.95±0.30	0.95±0.30	0.50±0.50	/	/

temperature coeffient

series	temperature coeffient/code	Allow capacitance change without U_R	Allow capacitance change with U_R	temperature range
CCAF	COG/ CG　BC/Z BP/L	0±30ppm/℃	/	-55℃~125℃
	BX / O	±15%	+15/-25%	-55℃~125℃
	BR / Y	±15%	+15/-40%	-55℃~125℃
	BY / M	±15%	/	-55℃~125℃

rated voltage

0J 6.3V,　1A 10V, 1C 16V,　1D 20V, 1E 25V,　1H 50V, 1J 63V,　2A 100V, 3A 1000V……

termination

Nickel Barrier

capacitance markmethod

It is marked with three digits，The first two digits mark the effective value of the electrical capacity，The third digit mark the number of zeros after the valid value，unit pF，for exmaple：101=100pF(0.1nF) 103=10000pF(10nF)

Capacitance tolerance

I dielectric	C_R＜10pF	B:±10pF	C:±0.25pF
		D：±0.5pF	/
	C_R≥10pF	F:±1%	G:±2%
		J:±5%	K:±10%
II dielectric		K:±10%	M:±20%

I dielectric capacitance sheet

size	0402			0603			0805			1210			1812			2220			2225		
Cr \ Ur(V)	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100
0R5																					
1R0																					
1R2																					
1R5																					
1R8																					
2R2																					
2R7																					
3R3																					
4R7																					
5R6																					
6R8																					
8R2																					
100																					
120																					
150																					
180																					
220																					
270																					
330																					
390																					
470																					
560																					
680																					
820																					
101																					
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333																					
473																					
563																					
683																					
823																					
104																					

BC

implementation standard Q/QJA200091/10A-2019

II dielectric capacitance sheet

size	0402		0603			0805			1210			1812			2220			2225			3025	
Cr \ Ur(v)	25	50	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	50	100
101																						
121																						
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474																						
568																						
684																						
824																						

BX BY BR

implementation standard Q/QJA200091/10A-2019

II dielectric capacitance sheet

size	0805		1210					1812					2220				
Cr \ Ur(V)	25	50	250	500	630	1000	2000	250	500	630	1000	2000	250	500	630	1000	2000
100																	
120																	
150																	
180																	
220																	
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822																	
103																	

BC/BP/CG

implementation standard Q/QJA200091/10A-2019

II dielectric capacitance sheet

size	0805			1210						1812							2220						
Cr \ Ur (V)	250	500	630	200	250	500	630	1000	2000	200	250	500	630	1000	2000	3000	200	250	500	630	1000	2000	3000
101																							
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2R1　　BY、2R1

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