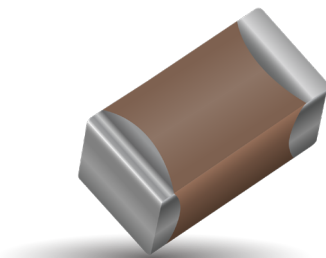


RF/Microwave Capacitors
RF/Microwave C0G (NP0) Capacitors
Ultra Low ESR “CU” Series, C0G (NP0) Capacitors (RoHS)

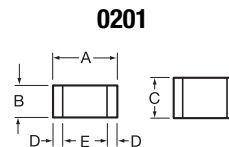
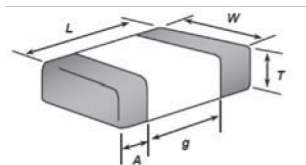


GENERAL INFORMATION

“CU” Series capacitors are C0G (NP0) chip capacitors specially designed for “Ultra” low ESR for applications in the communications market.



DIMENSIONS:



ELECTRICAL CHARACTERISTICS

Capacitance Value Range:

Size 0201 0.2 to 24pF

Temperature Coefficient of Capacitance (TC):

0±30 ppm/°C (-55° to +125°C)

Insulation Resistance (IR):

10¹² Ω min. @ 25°C and rated WVDC

10¹¹ Ω min. @ 125°C and rated WVDC

Working Voltage (WVDC):

Size Working Voltage

0201 - 25 WVDC

0201 - 50 WVDC

mm (inches)					
Size	L (Length)	W (Width)	T (Max. Thickness)	g (min.)	A (Termination Min./Max.)
0603 (0201)	0.60±0.03 (0.024±0.001)	0.30±0.03 (0.012±0.001)	0.33 (0.013)	0.15 (0.006)	0.10/0.20 (0.004/0.008)

HOW TO ORDER

CU01
Case Size
CU01 = 0201

3
Voltage Code
3 = 25V
5 = 50V

1
Dielectric
1 = 0±30ppm
C0G (NP0)

100
Capacitance
EIA Capacitance
Code in pF.

First two digits = significant figures or “R” for decimal place.
Third digit = number of zeros or after “R” significant figures.

J
Capacitance Tolerance Code
A = ±0.05pF
B = ±0.1pF
C = ±0.25pF
D = ±0.5pF
J = ±5%
K = ±10%

A
Failure Rate Code
A = Not Applicable

T
Termination
T = Plated Ni and Sn

2
Packaging Code
2 = 7” Reel
4 = 13” Reel

A
Special
A = Standard



RF/Microwave Capacitors

RF/Microwave C0G (NP0) Capacitors

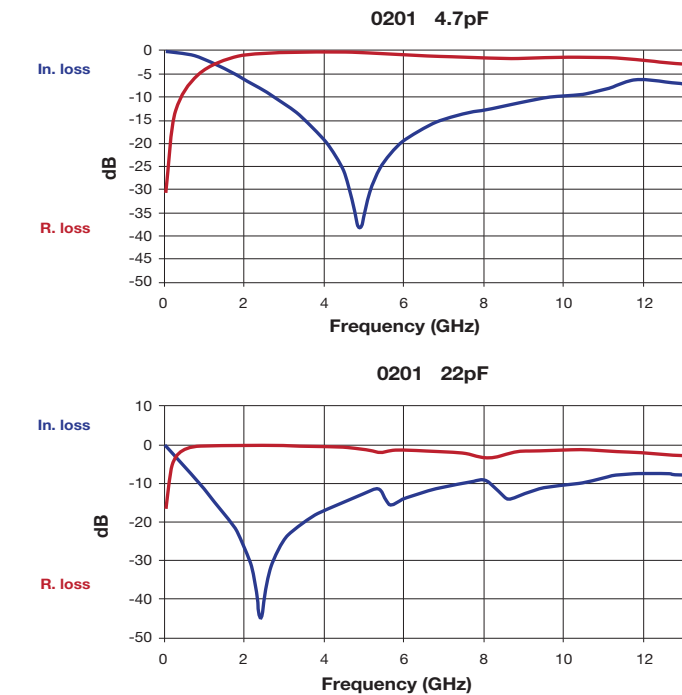
Ultra Low ESR “CU” Series, C0G (NP0) Capacitors (RoHS)



CAPACITANCE RANGE

Cap (pF)	Available Tolerance
0.2	0201 A,B,C,D
0.5	
0.75	
1.0	
1.2	
1.5	B,C,D
1.8	
2.1	
2.2	
2.7	
3.3	B,C,D
3.9	
4.7	B,C,D
5.6	
6.2	C,D
6.8	C,D
8.2	D
10.0	D
12.0	J,K
15.0	
18.0	
22.0	
24.0	

ULTRA LOW ESR, “CU” SERIES0



	F (GHz)	IL	R. loss
F1	0.31	-0.13	-12.90
F2	1.28	-2.89	-2.84
F3	2.408	-8.09	-0.60
F4	4.635	-29.45	-0.37
F5	4.897	-38.55	-0.45

	F (GHz)	IL	R. loss
F1	0.31	-2.90	-2.85
F2	1.28	-15.26	-0.10
F3	2.408	-45.65	-0.10
F4	4.635	-14.90	-0.87
F5	4.897	-12.89	-1.08