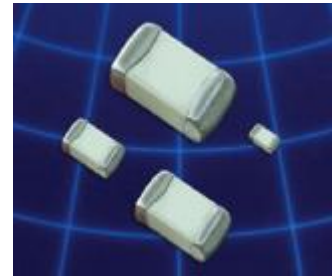


**Medium/high-voltage chip MLCC**

**AN016D—medium/high voltage MLCC**

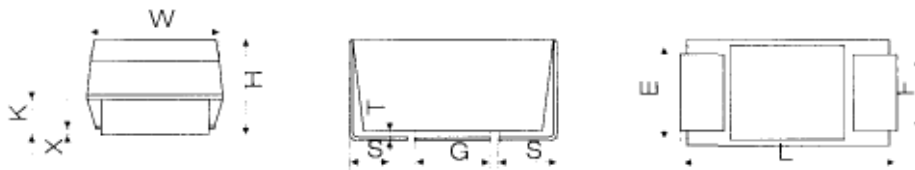


- \*New monolithic structure
- \*The size of the capacitor is small, yet has high electro can operate at high-voltage levels.
- \*Has good solderability.

**\* Technology Parameter::**

Rated Voltage	Measuring Condition	Max. charging current	Measuring Time
≤1000V	1. 5XUr.	50mA	5S
1000V~2000V	1. 2XUr.	50mA	5S
≥2000V	1. 2XUr.	10mA	5S

**\* Outside dimensions**



Unit:mm

L	W	H	K	F	S	X	T	G	E
6.0±0.2	3.2±0.2	2.5±0.2	1.4	2.2	1.3	0.10±0.10	0.13	3.0	3.0

**\* capacitance range**

Work Voltage dielectric	Capacitor range(PF)		
	NPO	X7R	Y5V
2000V	0.5~680	150~1500	1500~15000
4000V	0.5~470	150~1000	1500~10000
5000V	0.5~330	150~1000	1500~10000

SIZE	CAPACITANCE	100V		150V/220V			250V		500V		1000V		1500V/2000V		
		NPO	X7R	Y5V	NPO	X7R	Y5V	X7R	Y5V	NPO	X7R	NPO	X7R	NPO	X7R
0805	C≤100PF														
	100PF<C≤470PF														
	170PF<C≤1000PF														
	1NF<C<10NF														
	C=10NF														
	10NF<C≤22NF														
	22NF<C≤68NF														
	68NF≤C≤0.1UF														
1206	C≤100PF														
	100PF<C≤220PF														
	220PF<C≤330PF														
	330PF<C≤470PF														
	470PF<C≤680PF														
	680PF<C≤2.7NF														
	2.7NF<C≤4.7NF														
	4.7NF<C≤10NF														
	10NF<C≤26NF														
	26NF<C≤47NF														
	47NF<C≤68NF														
	C=0.11uF														
	0.1UF<C≤0.22UF														
	0.22UF<C≤0.33UF														
1210	C≤330PF														
	330PF<C≤680PF														
	680PF<C≤1.0NF														
	1NF<C≤2.7NF														
	2.7NF<C≤3.3NF														
	3.3NF<C≤6.8NF														
	6.8NF<C≤10NF														
	10NF<C≤15NF														
	15NF<C≤33NF														
	33NF<C≤68NF														
	68NF<C≤82NF														
	C=0.1UF														
	0.1UF<C≤0.15UF														
	0.15UF<C≤0.22UF														
0.22UF<C≤0.47UF															
0.47UF<C≤1UF															

Gray can be choosed

Notice: Above series are ordinary types, if customer has other request, please contact us directly.

**How to order:**

2412      CG      101      J      502      N      M  
 ①          ②          ③          ④          ⑤          ⑥          ⑦

①Dimensions		
Type	british	metric
p	(Inch)	(mm)
2412	0.24><0.12	6.00X
		3.20

②Dielectric Type	
code	Dielectric ~Material
Co	COGorNPO
B	X7R

③Normal capacitance	
Expressio Method	Actual Value
100	0
	10X10
101	10X10

④capacitance Tolerance	
code	Tolerance
J	±5%
K	tl0%

⑤Rated voltage	
Expression Method	Actual Value
402	4000V
502	5000V

⑥Termination Type	
Expression Method	Termination
S	Pure Silver
C	Pure Copper
N	Three Layers Plating Terminal (Silver or Copper layer/ Nickel layer /Tin layer)

⑦Package Method	
Expression Method	Packaging
M	Bulk Plastic Box Packaging