muRata

Chip Monolithic Ceramic Capacitors

Ultra-small GRP03 Series

Features

- 1. Small chip size (LxWxT: 0.6x0.3x0.3mm).
- 2. Terminations are made of metal highly resistant to migration.
- 3. GRP03 type is suited to only reflow soldering.
- 4. Stringent dimensional tolerances are allow highly reliable, high speed autom atic chip placements on PCBs.
- 5. GRP03 series are suited to miniature micro wave module, portable equipment and high-frequency circuit.

Applications

- Miniature micro wave module.
- Portable equipment.
- High-frequency circuit.



Part Number	Dimensions (mm)					
Part Number	L	W	Т	е	g min.	
GRP033	0.6 ±0.03	0.3 ±0.03	0.3 ±0.03	0.1 to 0.2	0.2	

Part Number	GRP03						
L x W	0.6x0.3						
TC Rated Volt.	C0G (5C)	X7R (R7)		Y5V (F5)			
	25 (1E)	6.3 (0J)	16 (1C)	10 (1A)			
Capacitance (Capacit	ance part numbering code) and	I T(mm) Dimension (T Dimer	nsion part numbering code)				
0.5pF(R50)	0.3 (3)						
1pF(1R0)	0.3 (3)						
2pF(2R0)	0.3 (3)						
3pF(3R0)	0.3 (3)						
4pF(4R0)	0.3(3)						
5pF(5R0)	0.3 (3)						
6pF(6R0)	0.3(3)						
7pF(7R0)	0.3(3)						
8pF(8R0)	0.3 (3)						
9pF(9R0)	0.3 (3)						
10pF(100)	0.3 (3)						
12pF(120)	0.3 (3)						
15pF(150)	0.3 (3)						
18pF(180)	0.3 (3)						
22pF(220)	0.3 (3)						
27pF(270)	0.3 (3)						
33pF(330)	0.3 (3)						
39pF(390)	0.3 (3)						
47pF(470)	0.3(3)						
56pF(560)	0.3 (3)						
68pF(680)	0.3(3)						
82pF(820)	0.3 (3)						
100pF(101)	0.3(3)		0.3(3)				
150pF(151)			0.3(3)				
220pF(221)			0.3(3)				
330pF(331)			0.3 (3)				
470pF(471)			0.3(3)				
680pF(681)			0.3(3)				



ANote Please read rating and CAUTION (for storage and operating, rating, soldering and mounting, handling) in this PDF catalog to prevent smoking and/or burning, etc. This catalog has only typical specifications. Therefore, you are requested to approve our product specification or to transact the approval sheet for product specification before ordering.

Part Number	GRP03					
L x W	0.6x0.3					
тс	COG (5C)	X7R (R7)		Y5V (F5)		
Rated Volt.	25 (1E)	6.3 (0J)	16 (1C)	10 (1A)		
Capacitance (Capacita	ance part numbering code) ar	d T(mm) Dimension (T Dimensi	on part numbering code)	L		
1000pF(102)			0.3 (3)			
1500pF(152)		0.3 (3)				
2200pF(222)		0.3(3)		0.3(3)		
3300pF(332)		0.3(3)				
4700pF(472)		0.3(3)		0.3(3)		
6800pF(682)		0.3(3)				
0000pr(002)						

The part numbering code is shown in (). Dimensions are shown in mm and Rated Voltage in Vdc.

