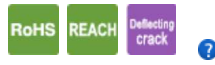


Ceramic Capacitor GRJ Series



Chip Multilayer Ceramic Capacitors with Soft Termination for Consumer Electronics & Industrial Equipment

Cracking caused by flexing stress after board mounting is minimized due to resin external electrodes!

[Specific Applications](#) [Features](#) [Specifications](#) [Lineup](#)

Specific Applications

For the detail of specific applications, please refer to the following links or specification sheets.

[Specific Applications Details](#)

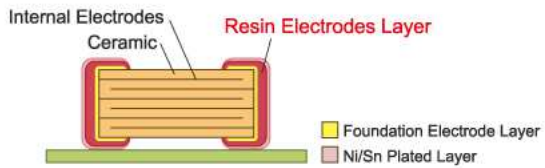
[Precautions for use](#)

Consumer equipment	Industrial equipment	Automotive infotainment/comfort equipment	Automotive powertrain/safety equipment	Medical equipment [GHTF A/B/C] except for implant equipment	Ir e
✓	✓	✓		✓	

Features

1. The resin external electrodes suppress cracks by board deflection.

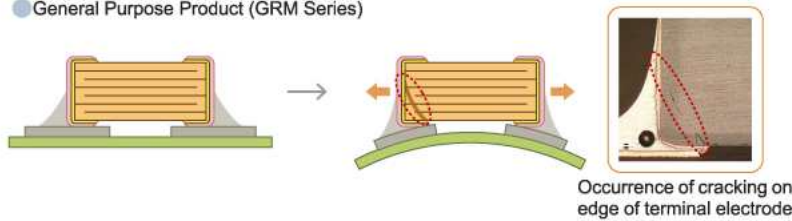
Cracking of the ceramic element is suppressed by the resin of the external electrodes, which releases the stress.



Resin electrodes relieve the stress

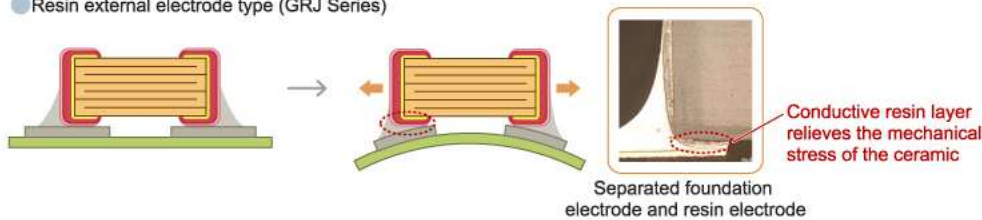
<Example of Structure>

● General Purpose Product (GRM Series)



Occurrence of cracking on edge of terminal electrode

● Resin external electrode type (GRJ Series)

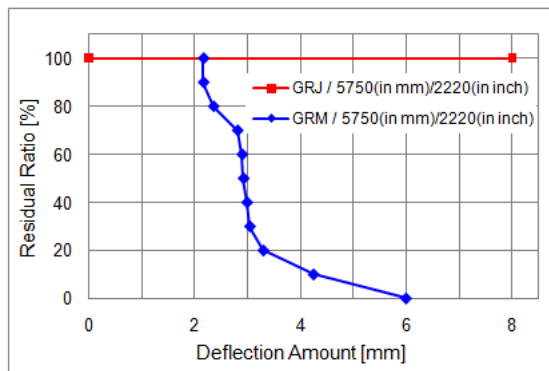
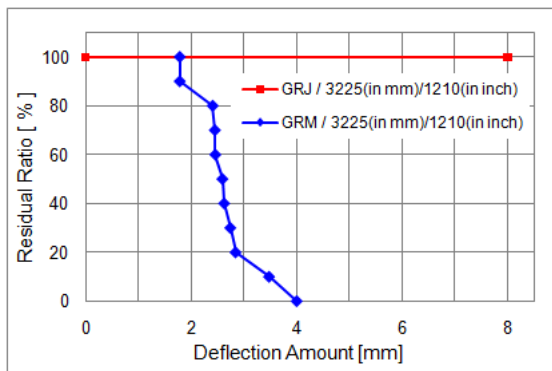


Separated foundation electrode and resin electrode

Note: Cracks may occur in the capacitor body if excessive stress beyond the "guaranteed range of board bending strength (*)" provided in the specifications is applied. Capacitors with cracks in them may cause a drop in insulation resistance, which could lead to a short circuit.

(*) For details on the guaranteed range of board bending strength, check the "Detailed Specification Sheet" on the Product Details Page.

2. Suppresses the occurrence of cracking caused by deflection stress at the time of board mounting, etc.



Due to the specification of the measuring instrument, measurements can be performed up to 8 mm.

3. Ideal for consumer and industrial electronic equipment, etc. where there heat stress, vibration and impact are applied.

Specifications

Size (mm)	1.6x0.8mm - 5.7x5.0mm
Rated Voltage	6.3Vdc - 1000Vdc
Capacitance	470pF - 47μF
Main applications	Consumer & Industrial Electronic Equipment

Part Number	Voltage	Capacitance	Tolerance	Temperature	Length	Width	Thickness
GRJ188C70J475KE11#	6.3Vdc	4.7µF	±10%	X7S(EIA)	1.6 ±0.3	0.8 ±0.2	0.8 ±0.2mm
GRJ188C70J475ME11#	6.3Vdc	4.7µF	±20%	X7S(EIA)	1.6 ±0.3	0.8 ±0.2	0.8 ±0.2mm
GRJ188R70J225KE11#	6.3Vdc	2.2µF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R70J225ME11#	6.3Vdc	2.2µF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ21AR72E102KWJ1#	250Vdc	1000pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21AR72E152KWJ1#	250Vdc	1500pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21AR72E222KWJ1#	250Vdc	2200pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21AR72E332KWJ1#	250Vdc	3300pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21AR72E472KWJ1#	250Vdc	4700pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21AR72E682KWJ1#	250Vdc	6800pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.0 +0/-0.3mm
GRJ21BC72A105KE11#	100Vdc	1µF	±10%	X7S(EIA)	2.0 ±0.35	1.25 ±0.25	1.25 ±0.25mm
GRJ21BC72A105ME11#	100Vdc	1µF	±20%	X7S(EIA)	2.0 ±0.35	1.25 ±0.25	1.25 ±0.25mm
GRJ21BR61E106KE01#	25Vdc	10µF	±10%	X5R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72E103KWJ3#	250Vdc	10000pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72E153KWJ3#	250Vdc	15000pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72E223KWJ3#	250Vdc	22000pF	±10%	X7R(EIA)	2.0 ±0.2	1.25 ±0.2	1.25 ±0.2mm
GRJ31BR72E153KWJ1#	250Vdc	15000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72E223KWJ1#	250Vdc	22000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72E683KWJ1#	250Vdc	68000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J102KWJ1#	630Vdc	1000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J103KWJ1#	630Vdc	10000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J152KWJ1#	630Vdc	1500pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J222KWJ1#	630Vdc	2200pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J332KWJ1#	630Vdc	3300pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J472KWJ1#	630Vdc	4700pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR72J682KWJ1#	630Vdc	6800pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A102KWJ1#	1000Vdc	1000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A152KWJ1#	1000Vdc	1500pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A222KWJ1#	1000Vdc	2200pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A332KWJ1#	1000Vdc	3300pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A471KWJ1#	1000Vdc	470pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A472KWJ1#	1000Vdc	4700pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR73A681KWJ1#	1000Vdc	680pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR7LV153KW01#	630Vdc	15000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31BR7LV223KW01#	630Vdc	22000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.25 +0/-0.3mm
GRJ31CC71H475KE11#	50Vdc	4.7µF	±10%	X7S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CC71H475ME11#	50Vdc	4.7µF	±20%	X7S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CC72A475KE01#	100Vdc	4.7µF	±10%	X7S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CC72A475ME01#	100Vdc	4.7µF	±20%	X7S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR70J226KE12#	6.3Vdc	22µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR70J226ME12#	6.3Vdc	22µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71A226KE12#	10Vdc	22µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71A226ME12#	10Vdc	22µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71E106KE11#	25Vdc	10µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71E106ME11#	25Vdc	10µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H105KE11#	50Vdc	1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H105ME11#	50Vdc	1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H475KE11#	50Vdc	4.7µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H475ME11#	50Vdc	4.7µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR72A105KE11#	100Vdc	1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR72A105ME11#	100Vdc	1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR72E104KWJ3#	250Vdc	0.1µF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR72E333KWJ3#	250Vdc	33000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR72E473KWJ3#	250Vdc	47000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm

GRJ31CR72J153KWJ3#	630Vdc	15000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR72J223KWJ3#	630Vdc	22000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR73A103KWJ3#	1000Vdc	10000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR73A682KWJ3#	1000Vdc	6800pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR7LV333KW01#	630Vdc	33000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CR7LV473KW01#	630Vdc	47000pF	±10%	X7R(EIA)	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2mm
GRJ31CZ72A475KE01#	100Vdc	4.7µF	±10%	X7R(Murata)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CZ72A475ME01#	100Vdc	4.7µF	±20%	X7R(Murata)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31MR71E225KE11#	25Vdc	2.2µF	±10%	X7R(EIA)	3.2 ±0.4	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71E225ME11#	25Vdc	2.2µF	±20%	X7R(EIA)	3.2 ±0.4	1.6 ±0.3	1.15 ±0.2mm
GRJ32DR72E104KWJ1#	250Vdc	0.1µF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR72E224KWJ1#	250Vdc	0.22µF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR72J333KWJ1#	630Vdc	33000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR72J473KWJ1#	630Vdc	47000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR73A153KWJ1#	1000Vdc	15000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR73A223KWJ1#	1000Vdc	22000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32DR7LV104KW01#	630Vdc	0.1µF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3mm
GRJ32EC71E226KE11#	25Vdc	22µF	±10%	X7S(EIA)	3.2 ±0.4	2.5 +0.35/-0.25	2.5 +0.35/-0.3mm
GRJ32ER71A476KE11#	10Vdc	47µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71A476ME11#	10Vdc	47µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32QR72E154KWJ1#	250Vdc	0.15µF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ32QR72E683KWJ1#	250Vdc	68000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ32QR72J223KWJ1#	630Vdc	22000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ32QR73A103KWJ1#	1000Vdc	10000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ32QR73A682KWJ1#	1000Vdc	6800pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ32QR7LV683KW01#	630Vdc	68000pF	±10%	X7R(EIA)	3.2 ±0.3	2.5 ±0.2	1.5 +0/-0.3mm
GRJ43DR72E224KWJ1#	250Vdc	0.22µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR72E334KWJ1#	250Vdc	0.33µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR72E474KWJ1#	250Vdc	0.47µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR72J104KWJ1#	630Vdc	0.1µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR73A333KWJ1#	1000Vdc	33000pF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR73A473KWJ1#	1000Vdc	47000pF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43DR7LV224KW01#	630Vdc	0.22µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	2.0 +0/-0.3mm
GRJ43QR72E154KWJ1#	250Vdc	0.15µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	1.5 +0/-0.3mm
GRJ43QR72J683KWJ1#	630Vdc	68000pF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	1.5 +0/-0.3mm
GRJ43QR7LV154KW01#	630Vdc	0.15µF	±10%	X7R(EIA)	4.5 ±0.4	3.2 ±0.3	1.5 +0/-0.3mm
GRJ55DR72E105KWJ1#	250Vdc	1µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR72E334KWJ1#	250Vdc	0.33µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR72E474KWJ1#	250Vdc	0.47µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR72E684KWJ1#	250Vdc	0.68µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR72J154KWJ1#	630Vdc	0.15µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR72J224KWJ1#	630Vdc	0.22µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR73A104KWJ1#	1000Vdc	0.1µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR73A683KWJ1#	1000Vdc	68000pF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR7LV334KW01#	630Vdc	0.33µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ55DR7LV474KW01#	630Vdc	0.47µF	±10%	X7R(EIA)	5.7 ±0.4	5.0 ±0.4	2.0 +0/-0.3mm
GRJ033R60J105ME11#	6.3Vdc	1µF	±20%	X5R(EIA)	0.6 ±0.05	0.3 ±0.05	0.3 ±0.05mm
GRJ033R61A105ME11#	10Vdc	1µF	±20%	X5R(EIA)	0.6 ±0.05	0.3 ±0.05	0.3 ±0.05mm
GRJ155R60J106ME11#	6.3Vdc	10µF	±20%	X5R(EIA)	1.0 ±0.2	0.5 ±0.2	0.5 ±0.2mm
GRJ188R60J106ME11#	6.3Vdc	10µF	±20%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R61A106ME11#	10Vdc	10µF	±20%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71C474KE11#	16Vdc	0.47µF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71C474ME11#	16Vdc	0.47µF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E224KE11#	25Vdc	0.22µF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E224ME11#	25Vdc	0.22µF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm

GRJ188R71H224KE11#	50Vdc	0.22μF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H224ME11#	50Vdc	0.22μF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A102KE11#	100Vdc	1000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A102ME11#	100Vdc	1000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A103KE11#	100Vdc	10000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A103ME11#	100Vdc	10000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A104KE11#	100Vdc	0.1μF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A104ME11#	100Vdc	0.1μF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A222KE11#	100Vdc	2200pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A222ME11#	100Vdc	2200pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A223KE11#	100Vdc	22000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A223ME11#	100Vdc	22000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A472KE11#	100Vdc	4700pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R72A472ME11#	100Vdc	4700pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ216R72A102KE01#	100Vdc	1000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A102ME01#	100Vdc	1000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A103KE01#	100Vdc	10000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A103ME01#	100Vdc	10000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A222KE01#	100Vdc	2200pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A222ME01#	100Vdc	2200pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A223KE01#	100Vdc	22000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A223ME01#	100Vdc	22000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A472KE01#	100Vdc	4700pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R72A472ME01#	100Vdc	4700pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ219R72A221KE01#	100Vdc	220pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1mm
GRJ219R72A221ME01#	100Vdc	220pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1mm
GRJ219R72A471KE01#	100Vdc	470pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1mm
GRJ219R72A471ME01#	100Vdc	470pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1mm
GRJ21BR71H224KE01#	50Vdc	0.22μF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H224ME01#	50Vdc	0.22μF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H474KE01#	50Vdc	0.47μF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H474ME01#	50Vdc	0.47μF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72A104KE01#	100Vdc	0.1μF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72A104ME01#	100Vdc	0.1μF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72A473KE01#	100Vdc	47000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR72A473ME01#	100Vdc	47000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ319R72A104KE11#	100Vdc	0.1μF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	0.85 ±0.1mm
GRJ319R72A104ME11#	100Vdc	0.1μF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	0.85 ±0.1mm
GRJ31CC71E106KE11#	25Vdc	10μF	±10%	X7S(EIA)	3.2 ±0.4	1.6 ±0.4	1.6 ±0.4mm
GRJ31CC71E106ME11#	25Vdc	10μF	±20%	X7S(EIA)	3.2 ±0.4	1.6 ±0.4	1.6 ±0.4mm
GRJ31CR61E106KE11#	25Vdc	10μF	±10%	X5R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31MR71C225KE11#	16Vdc	2.2μF	±10%	X7R(EIA)	3.2 ±0.4	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71C225ME11#	16Vdc	2.2μF	±20%	X7R(EIA)	3.2 ±0.4	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H224KE01#	50Vdc	0.22μF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H224ME01#	50Vdc	0.22μF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H474KE01#	50Vdc	0.47μF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H474ME01#	50Vdc	0.47μF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR72A224KE01#	100Vdc	0.22μF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR72A224ME01#	100Vdc	0.22μF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ32DC72A475KE11#	100Vdc	4.7μF	±10%	X7S(EIA)	3.2 ±0.4	2.5 ±0.3	2.0 ±0.3mm
GRJ32DC72A475ME11#	100Vdc	4.7μF	±20%	X7S(EIA)	3.2 ±0.4	2.5 ±0.3	2.0 ±0.3mm
GRJ32DR72A225KE11#	100Vdc	2.2μF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.0 ±0.3mm
GRJ32DR72A225ME11#	100Vdc	2.2μF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.0 ±0.3mm
GRJ32EC71H106KE11#	50Vdc	10μF	±10%	X7S(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32EC71H106ME11#	50Vdc	10μF	±20%	X7S(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm

GRJ32ER70J476KE11#	6.3Vdc	47µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER70J476ME11#	6.3Vdc	47µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71A226KE11#	10Vdc	22µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71A226ME11#	10Vdc	22µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71C226KE11#	16Vdc	22µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71C226ME11#	16Vdc	22µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71E106KE11#	25Vdc	10µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71E106ME11#	25Vdc	10µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71H106KE11#	50Vdc	10µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71H106ME11#	50Vdc	10µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71H475KE11#	50Vdc	4.7µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71H475ME11#	50Vdc	4.7µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71K475KE11#	80Vdc	4.7µF	±10%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ32ER71K475ME11#	80Vdc	4.7µF	±20%	X7R(EIA)	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3mm
GRJ188R60J475KE11#	6.3Vdc	4.7µF	±10%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R60J475ME11#	6.3Vdc	4.7µF	±20%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R61A475KE11#	10Vdc	4.7µF	±10%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R61A475ME11#	10Vdc	4.7µF	±20%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R61C105KE11#	16Vdc	1µF	±10%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R61C105ME11#	16Vdc	1µF	±20%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R6YA105KE11#	35Vdc	1µF	±10%	X5R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E105KE11#	25Vdc	1µF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E105ME11#	25Vdc	1µF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E473KE11#	25Vdc	47000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71E473ME11#	25Vdc	47000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H102KE11#	50Vdc	1000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H102ME11#	50Vdc	1000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H103KE11#	50Vdc	10000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H103ME11#	50Vdc	10000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H104KE11#	50Vdc	0.1µF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H104ME11#	50Vdc	0.1µF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H152KE11#	50Vdc	1500pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H153KE11#	50Vdc	15000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H222KE11#	50Vdc	2200pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H222ME11#	50Vdc	2200pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H223KE11#	50Vdc	22000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H223ME11#	50Vdc	22000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H332KE11#	50Vdc	3300pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H333KE11#	50Vdc	33000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H472KE11#	50Vdc	4700pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H472ME11#	50Vdc	4700pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H473KE11#	50Vdc	47000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H473ME11#	50Vdc	47000pF	±20%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H682KE11#	50Vdc	6800pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ188R71H683KE11#	50Vdc	68000pF	±10%	X7R(EIA)	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1mm
GRJ216R71H102KE01#	50Vdc	1000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H102ME01#	50Vdc	1000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H103KE01#	50Vdc	10000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H103ME01#	50Vdc	10000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H222KE01#	50Vdc	2200pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H222ME01#	50Vdc	2200pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H223KE01#	50Vdc	22000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H223ME01#	50Vdc	22000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H471KE01#	50Vdc	470pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H471ME01#	50Vdc	470pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm

GRJ216R71H472KE01#	50Vdc	4700pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ216R71H472ME01#	50Vdc	4700pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1mm
GRJ219R71H333KE01#	50Vdc	33000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1mm
GRJ21BR71A106KE01#	10Vdc	10µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71A106ME01#	10Vdc	10µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71C475KE01#	16Vdc	4.7µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71C475ME01#	16Vdc	4.7µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71E105KE11#	25Vdc	1µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71E105ME11#	25Vdc	1µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71E225KE01#	25Vdc	2.2µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71E225ME01#	25Vdc	2.2µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H104KE01#	50Vdc	0.1µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H104ME01#	50Vdc	0.1µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H105KE01#	50Vdc	1µF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H105ME01#	50Vdc	1µF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H473KE01#	50Vdc	47000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H473ME01#	50Vdc	47000pF	±20%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ21BR71H683KE01#	50Vdc	68000pF	±10%	X7R(EIA)	2.0 ±0.3	1.25 ±0.2	1.25 ±0.2mm
GRJ319R71H104KE11#	50Vdc	0.1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	0.85 ±0.1mm
GRJ319R71H104ME11#	50Vdc	0.1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	0.85 ±0.1mm
GRJ31CC8YA106KE01#	35Vdc	10µF	±10%	X6S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CC8YA106ME01#	35Vdc	10µF	±20%	X6S(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71A106KE11#	10Vdc	10µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71A106ME11#	10Vdc	10µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71C106KE11#	16Vdc	10µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71C106ME11#	16Vdc	10µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71C475KE11#	16Vdc	4.7µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71C475ME11#	16Vdc	4.7µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71E475KE11#	25Vdc	4.7µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H225KE11#	50Vdc	2.2µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31CR71H225ME11#	50Vdc	2.2µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.6 ±0.3mm
GRJ31MR71C105KE01#	16Vdc	1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71C105ME01#	16Vdc	1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71E105KE01#	25Vdc	1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71E105ME01#	25Vdc	1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H104KE01#	50Vdc	0.1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H104ME01#	50Vdc	0.1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H105KE01#	50Vdc	1µF	±10%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm
GRJ31MR71H105ME01#	50Vdc	1µF	±20%	X7R(EIA)	3.2 ±0.3	1.6 ±0.3	1.15 ±0.2mm