Part Numbering

Safety Standard Certifiedultilayer Ceramic Capacitors

(Part Number)	GA3	52	Q	R7	GF	331	к	W31	L
	1	2	8	4	5	6	7	8	9

Series

Goenes	
Code	Series
GA3	Safety Standard Certified Chip Multilayer Ceramic Capacitors for Consumer Electronics & Industrial Equipment
KCA	Safety Standard Certified Metal Terminal Type Multilayer Ceramic Capacitors for Automotive (Powertrain/Safety)

Dimensions (L×W)

Code	Dimensions (L×W)
42	4.5×2.0mm
43	4.5×3.2mm
52	5.7×2.8mm
55	5.7×5.0mm

ODimensions (T)

	GA3	КСА			
Code	Dimensions (T)	Code	Dimensions (T)		
Α	1.0mm	L	2.8mm		
D	2.0mm	Q	3.7mm		
Е	2.5mm	т	4.8mm		
Q	1.5mm	w	6.4mm		
х	Depends on individual standards.				

4Temperature Characteristics

Temperature Temperature Characteristics		Operating	Capacitance Change Each Temperature (%)									
Code	Dele Public Reference Temperature Capacitance Change or Temperature		Temperature Range	–55°C		*2		-10°C				
Code	STD Co	de	Temperature	Range	Coefficient	0	Max.	Min.	Max.	Min.	Max.	Min.
1X	SL	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	-55 to 125°C	-	-	-	-	-	-
7U	U2J	EIA	25°C	25 to 125°C*1	-750±120ppm/°C	-55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21
R7	X7R	EIA	25°C	-55 to 125°C	±15%	-55 to 125°C	-	-	-	-	-	-

*1 Rated Voltage 100Vdc max: 25 to 85°C

*2 –25°C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C)

GCertified Type

Code	Rated Voltage	Certified Type	
GB	X2:250Vac	Type GB	
GD	GD 250Vac		
GF	X1:250Vac/Y2:250Vac	Type GF	
MF	X1:250Vac/Y2:250Vac	Type MF	

Capacitance

Expressed by three-digit alphanumerics. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two numbers. If there is a decimal point, it is expressed by the capital letter "R." In this case, all figures are significant digits. If any letter, other than "**R**" is included, this indicates the specific part number is a non-standard part.

Ex.)	Code	Capacitance			
	R50	0.50pF			
	1R0	1.0pF			
	100	10pF			
	103	10000pF			

Capacitance Tolerance

Code	Capacitance Tolerance			
L	±5%			
к	±10%			
м	±20%			

Individual Specification

Expressed by three figures.

Packaging

Code	Packaging
L	ø180mm Embossed Taping
к	ø330mm Embossed Taping

Please contact us if you find any part number not provided in this table.