

Soft Termination Chip Multilayer Ceramic Capacitors for Automotive Powertrain/Safety 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](#)

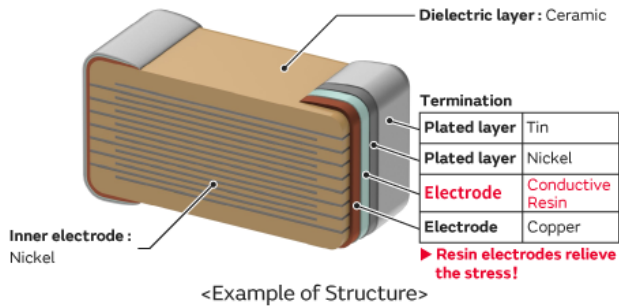
> [Precautions for use](#)

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

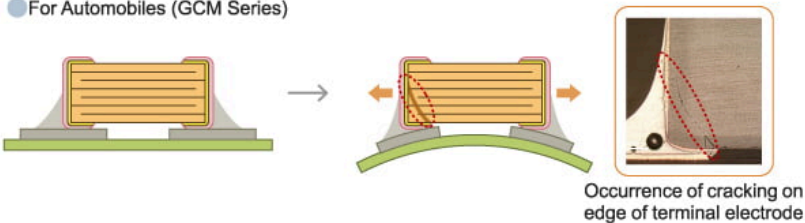
Features

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

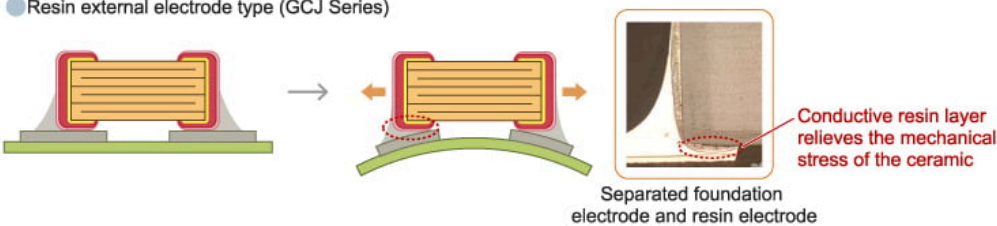
Cracking of the ceramic element is suppressed by the resin of the external electrodes, which releases the stress.



For Automobiles (GCM Series)



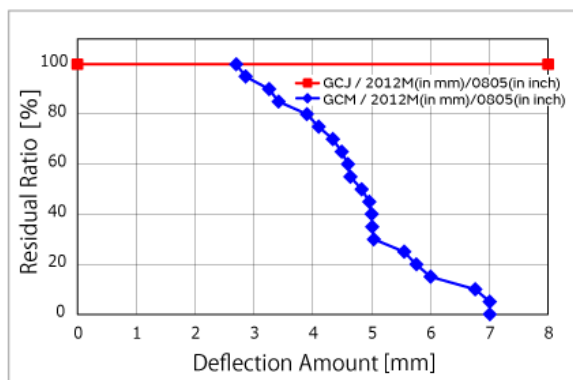
Resin external electrode type (GCJ Series)



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 automotive.

This AEC-Q200 / VW80808(Rated voltage is 100V or less) conforming product is ideal for the ECU, control circuits of headlights, etc. of automotive.

Specifications

Size (mm)	1.6x0.8mm - 5.7x5mm
Rated Voltage	2.5Vdc - 1,000Vdc
Capacitance	1,000pF - 220µF
Main applications	Battery Lines and Powertrains for automotive

Lineup

[Go to the part number list](#)



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You can see the search result of the item you click on the capacitance chart.

High dielectric constant type

[Use narrowed products' rows](#)

[Clearing all the conditions](#)



Maximum operating temperature	<input type="checkbox"/> 125°C <input type="checkbox"/> 150°C
LxW	<input type="checkbox"/> 1.6×0.8 <input type="checkbox"/> 2.0×1.25 <input type="checkbox"/> 3.2×1.6 <input type="checkbox"/> 3.2×2.5 <input type="checkbox"/> 4.5×3.2 <input type="checkbox"/> 5.7×5.0
Rated Voltage	<input type="checkbox"/> 100Vdc <input type="checkbox"/> 50Vdc <input type="checkbox"/> 35Vdc <input type="checkbox"/> 25Vdc <input type="checkbox"/> 16Vdc <input type="checkbox"/> 10Vdc <input type="checkbox"/>

