



Wire Bonding/AuSn Soldering Mount Chip Multilayer Ceramic Capacitors for Consumer Electronics & Industrial Equipment

These capacitors have gold-plated electrodes and are designed specifically for wire bonding and use of gold-tin (AuSn) solder.

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Specific Applications

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

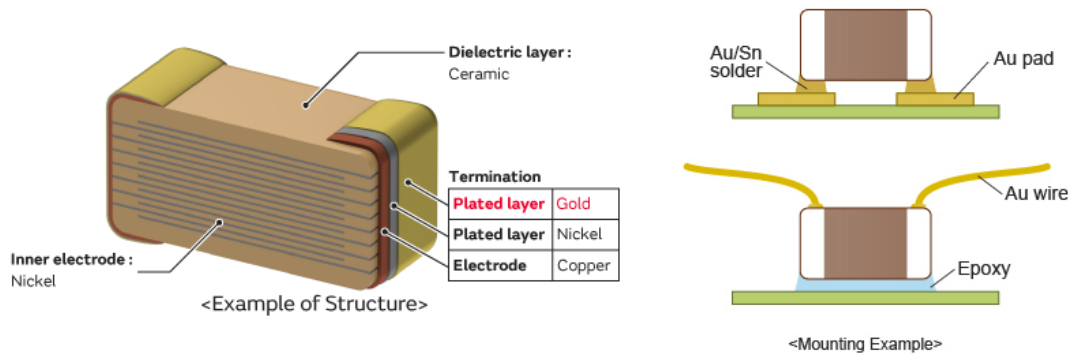
- > [Specific Applications Details](#)
- > [Precautions for use](#)

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. Designed specifically for wire bonding and use of gold-tin (AuSn) solder

The gold-plated external electrodes make these devices suitable for wire bonding or use of gold tin (AuSn) solder.



※This product is suitable only for wire bonding or use of gold-tin (AuSn) solder. Other mounting methods should not be used.

2. Ideal for mounting in packages, such as optical communication related devices , IC and etc.

Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in the package, such as TO-CAN, IC and etc. by wire bonding mounting.

3. Contributes to the miniaturization of the set.

Murata offers a lineup of small size products, such as the 0402M (01005), 0603M (0201), and 1005M (0402) in mm (inch).

Specifications

Size (mm)	0.4x0.2mm - 1x0.5mm
Rated Voltage	6.3Vdc - 50Vdc
Capacitance	100pF - 1μF
Main applications	Various device related, such as GaAsIC (mounted in IC packages)

[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"/> 85°C <input type="checkbox"/> 105°C <input type="checkbox"/> 125°C
LxW	<input type="checkbox"/> 0.4×0.2 <input type="checkbox"/> 0.6×0.3 <input type="checkbox"/> 1.0×0.5
Rated Voltage	<input type="checkbox"/> 10Vdc <input type="checkbox"/> 6.3Vdc <input type="checkbox"/> 25Vdc <input type="checkbox"/> 16Vdc <input type="checkbox"/> 50Vdc

■ Available ■ Under development

Maximum operating temperature	LxW	Rated Voltage	Capacitance												Capacitance range				
			pF						μF										
			0.1	1	10	100	1000	0.01	0.1	1	10	100	1000						
85°C	0.4×0.2	10Vdc																10,000pF	
		6.3Vdc																0.1μF	
	0.6×0.3	25Vdc																	100pF - 1,500pF
		16Vdc																	1,800pF - 3,300pF
		10Vdc																	3,900pF - 10,000pF
		6.3Vdc																	56,000pF - 0.1μF
	1.0×0.5	50Vdc																	220pF - 4,700pF
		25Vdc																	5,600pF - 47,000pF
		16Vdc																	56,000pF - 0.1μF
		10Vdc																	0.12μF - 0.47μF
6.3Vdc																		1μF	
105°C	0.4×0.2	10Vdc																10,000pF	
125°C	0.6×0.3	25Vdc																	100pF - 1,500pF
		16Vdc																	1,800pF - 3,300pF
		10Vdc																	3,900pF - 10,000pF
	1.0×0.5	50Vdc																	220pF - 4,700pF
		25Vdc																	5,600pF - 47,000pF
		16Vdc																	56,000pF - 0.1μF

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Ceramic Capacitor

> Polymer Aluminum Electrolytic Capacitors

> Single-Layer Microchip Capacitors

> Thin Film Circuit Substrates (RUSUB)

> Variable Capacitors

> Silicon Capacitors

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SimSurfing

The software 'SimSurfing' simulates the characteristics of Murata products.

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