June, 11, 2008

muRata
Innovator in Electronics

Murata Manufacturing Co., Ltd.

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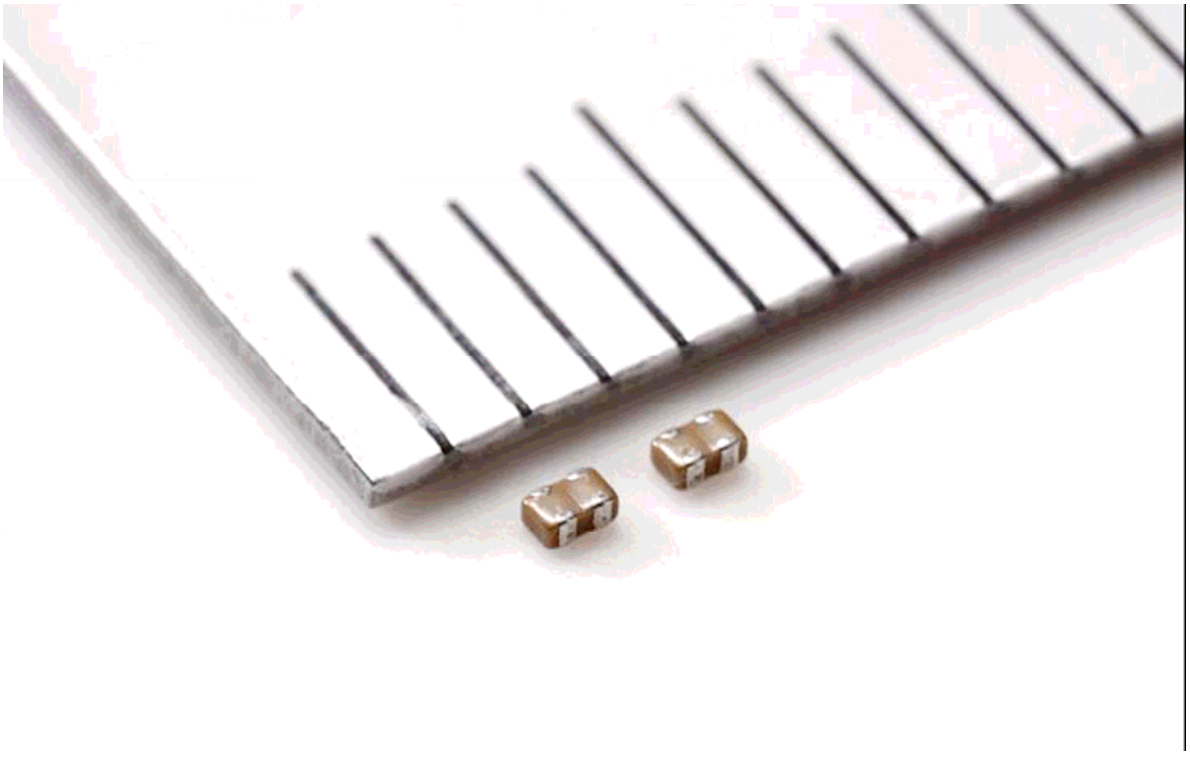
Introducing the World's First 0.9 x 0.6 mm (0302 EIA) 1.0µF 2-Element Capacitor Array - Capacitor Array GNM Series -



[Body]

Murata Manufacturing Co., Ltd has introduced the world's first 0.9 x 0.6 mm (EIA size is 0302) 1.0µF 2-element capacitor array*.
Our new 0302-size 2-element capacitor array has achieved 1.0µF static capacitance, which is unprecedented even for a single 0.6 x 0.3 mm (0201 EIA size) monolithic ceramic capacitor.
Cap Array products help to reduce mounting surface area and mounting costs compared to mounting multiple monolithic capacitors.

[Background] The trend for miniaturization and high performance features in equipment continues to grow resulting in a fierce race to develop smaller and higher capacitance monolithic ceramic capacitors. Due to its design structure, a capacitor array can achieve static capacitance more readily than single monolithic capacitors. By applying our cutting-edge dielectric material technology, our 0302 model is able to achieve 1μF capacitance and even one 1μF element of the 0302 array is higher than that of the current 0201 ceramic capacitor.

[Terminology] ***** Capacitor array
Monolithic ceramic capacitor having multiple capacitor elements within a single dielectric bulk.

[Features] - Small and high-capacitance
- Achieves higher static capacitance compared with a single element model
- Reduced mounting surface area and mounting cost due to high-density mounting

[Applications] -Electronic equipment in general
1μF model is typically used as a decoupling capacitor for mobile phones, mobile PCs, and digital AV equipment

[Part Number] GNM0M2R60E105M

[Production] 10 million units per month in July 2008

[Samples] Samples are now available