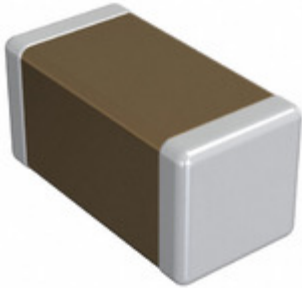


GRM188R61H105MAALD



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**Part Number:** [GRM188R61H105MAALD](#)

**Manufacturer:** [Murata Electronics](#)

**Description:** CAP CER 1UF 50V X5R 0603

**Data sheet:**  [Chip Monolithic Ceramic Caps Part Numbering](#)  
 [GRM188R61H105MAAL Ref Sheet](#)  
 [Chip Monolithic Ceramic Caps Catalog](#)

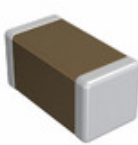
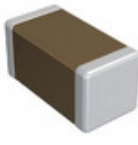
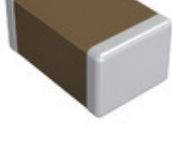
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |                                  |                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                            | GRM188R61H105MAALD                   | Manufacturer                     | <a href="#">Murata Electronics</a>                                                                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CAP CER 1UF 50V X5R 0603             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1585997 pcs                          | Data sheet                       | <a href="#">Chip Monolithic Ceramic Caps Part Numbering</a><br><a href="#">GRM188R61H105MAAL Ref Sheet</a><br><a href="#">Chip Monolithic Ceramic Caps Catalog</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Capacitors</a>           | Voltage - Rated                  | 50V                                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ±20%                                 | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                                | X5R                                  | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GRM                                  | Ratings                          | -                                                                                                                                                                  |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tape & Reel (TR)                     | Package / Case                   | 0603 (1608 Metric)                                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 490-14639-2<br>GRM188R61H105MAALD-ND | Operating Temperature            | -55°C ~ 85°C                                                                                                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Surface Mount, MLCC                  | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                      |
| Lead Style                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                    | Lead Spacing                     | -                                                                                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant           | Height - Seated (Max)            | -                                                                                                                                                                  |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                    | Detailed Description             | 1µF ±20% 50V Ceramic Capacitor X5R 0603 (1608 Metric)                                                                                                              |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1µF                                  | Applications                     | General Purpose                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                   |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|---------------------|
|  | Part#: <a href="#">GRM188R61E684KA75D</a><br>Description: CAP CER 0.68UF 25V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H223KA01D</a><br>Description: CAP CER 0.022UF 50V X5R 0603 | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61E684KA75J</a><br>Description: CAP CER 0.68UF 25V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H472KA01D</a><br>Description: CAP CER 4700PF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H225ME11D</a><br>Description: CAP CER 2.2UF 50V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H474KA12D</a><br>Description: CAP CER 0.47UF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H224KAC4D</a><br>Description: CAP CER 0.22UF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61E475KE15D</a><br>Description: CAP CER 4.7UF 25V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61E475ME11D</a><br>Description: CAP CER 4.7UF 25V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H105KAALJ</a><br>Description: CAP CER 1UF 50V X5R 0603     | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H225KE11J</a><br>Description: CAP CER 2.2UF 50V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H105KAALD</a><br>Description: CAP CER 1UF 50V X5R 0603     | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H102KA01D</a><br>Description: CAP CER 1000PF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H225KE11D</a><br>Description: CAP CER 2.2UF 50V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H104KA93D</a><br>Description: CAP CER 0.1UF 50V X5R 0603   | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H103KA01D</a><br>Description: CAP CER 10000PF 50V X5R 0603 | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H222KA01D</a><br>Description: CAP CER 2200PF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H474KA12J</a><br>Description: CAP CER 0.47UF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61H224KAC4J</a><br>Description: CAP CER 0.22UF 50V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">GRM188R61E684MA75D</a><br>Description: CAP CER 0.68UF 25V X5R 0603  | Manufacturers: <a href="#">Murata Electronics</a> | <a href="#">RFQ</a> |

|                                                |                                |                                  |                                  |
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