

C1005C0G1H030B050BA



Part Number: C1005C0G1H030B050BA

Manufacturer: TDK Corporation

Description: CAP CER 3PF 50V C0G 0402

Data sheet:  C Series, General Datasheet  
 C1005C0G1H030B050BA Character Sheet  
 C Series, Gen Appl & Mid-Voltage Spec  
 MLCC Part Number Guide

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |                                  |                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                        | C1005C0G1H030B050BA                                                   | Manufacturer                     | TDK Corporation                                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 3PF 50V C0G 0402                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                 | 3390168 pcs                                                           | Data sheet                       | <a href="#">C Series, General Datasheet</a><br><a href="#">C1005C0G1H030B050BA Character Sheet</a><br><a href="#">C Series, Gen Appl &amp; Mid-Voltage Spec</a><br><a href="#">MLCC Part Number Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Capacitors</a>                                            | Voltage - Rated                  | 50V                                                                                                                                                                                                       |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                          | ±0.1pF                                                                | Thickness (Max)                  | 0.022" (0.55mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                            | C0G, NP0                                                              | Size / Dimension                 | 0.039" L x 0.020" W (1.00mm x 0.50mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                             | C                                                                     | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                          | Tape & Reel (TR)                                                      | Package / Case                   | 0402 (1005 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                        | 445-4869-2<br>C1005C0G1H030B<br>C1005C0G1H030BT000F<br>C1005C0G1H030B | Operating Temperature            | -55°C ~ 125°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                                                                                                                                                                                                                                                                                                                                                                                                           | Low ESL                                                               | Failure Rate                     | -                                                                                                                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                               | 3pF ±0.1pF 50V Ceramic Capacitor C0G, NP0 0402 (1005 Metric)          | Capacitance                      | 3pF                                                                                                                                                                                                       |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                       | General Purpose                                                       |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C1005C0G1H060D050BA</a><br>Description: CAP CER 6PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H040C050BA</a><br>Description: CAP CER 4PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H020C050BA</a><br>Description: CAP CER 2PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H010B050BA</a><br>Description: CAP CER 1PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H040B050BA</a><br>Description: CAP CER 4PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005A.38.02</a><br>Description: CABLE SPEAKER 2COND 12AWG 500'     | Manufacturers: <a href="#">General Cable</a>   | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1E561J</a><br>Description: CAP CER 560PF 25V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H030C050BA</a><br>Description: CAP CER 3PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H020B050BA</a><br>Description: CAP CER 2PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H080C050BA</a><br>Description: CAP CER 8PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1E102J050BA</a><br>Description: CAP CER 1000PF 25V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H070D050BA</a><br>Description: CAP CER 7PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H070C050BA</a><br>Description: CAP CER 7PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1E101J</a><br>Description: CAP CER 100PF 25V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H010C050BA</a><br>Description: CAP CER 1PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H050B050BA</a><br>Description: CAP CER 5PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H050C050BA</a><br>Description: CAP CER 5PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1H060C050BA</a><br>Description: CAP CER 6PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1E681J</a><br>Description: CAP CER 680PF 25V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005C0G1E821J</a><br>Description: CAP CER 820PF 25V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |

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