

C1005C0G1H1R5B050BA



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Part Number: C1005C0G1H1R5B050BA

Manufacturer: TDK Corporation

Description: CAP CER 1.5PF 50V C0G 0402

Data sheet: 

 C Series, General Datasheet

 C1005C0G1H1R5B050BA 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C1005C0G1H1R5B050BA                                            | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 1.5PF 50V C0G 0402                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6033974 pcs                                                    | Data sheet                       | <a href="#">C Series, General Datasheet</a><br><a href="#">C1005C0G1H1R5B050BA 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                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Original-Reel®                                                 | Package / Case                   | 0402 (1005 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-4858-6                                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.5pF ±0.1pF 50V Ceramic Capacitor C0G, NP0 0402 (1005 Metric) | Capacitance                      | 1.5pF                                                                                                                                                                                                     |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                                |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------|----------------|
|  | Part#: <a href="#">C1005C0G1H181J/50</a><br>Description: CAP CER 180PF 50V C0G 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H181K050BA</a><br>Description: CAP CER 180PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H181J050BA</a><br>Description: CAP CER 180PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H1R8C</a><br>Description: CAP CER 1.8PF 50V C0G 0402      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H1R8B</a><br>Description: CAP CER 1.8PF 50V C0G 0402      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H220G050BA</a><br>Description: CAP CER 22PF 50V C0G 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H221F050BA</a><br>Description: CAP CER 220PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H200J</a><br>Description: CAP CER 20PF 50V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H220J050BA</a><br>Description: CAP CER 22PF 50V C0G 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H151J050BA</a><br>Description: CAP CER 150PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H160J</a><br>Description: CAP CER 16PF 50V C0G 0402       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H1R2C</a><br>Description: CAP CER 1.2PF 50V C0G 0402      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H151K050BA</a><br>Description: CAP CER 150PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H180J/50</a><br>Description: CAP CER 18PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H1R5C050BA</a><br>Description: CAP CER 1.5PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H1R2B</a><br>Description: CAP CER 1.2PF 50V C0G 0402      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H220F050BA</a><br>Description: CAP CER 22PF 50V C0G 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H221G050BA</a><br>Description: CAP CER 220PF 50V C0G 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H180J050BA</a><br>Description: CAP CER 18PF 50V C0G 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005C0G1H220J/50</a><br>Description: CAP CER 22PF 50V C0G 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |

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