

C0603C0G1H820K030BA



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**Part Number:** [C0603C0G1H820K030BA](#)

**Manufacturer:** [TDK Corporation](#)

**Description:** CAP CER 82PF 50V C0G 0201

**Data sheet:** [PDF C Series, General Datasheet](#)  
[PDF C Series, Gen Appl & Mid-Voltage Spec](#)  
[PDF MLCC Part Number Guide](#)  
[PDF C0603C0G1H820K030BA Character Sheet](#)

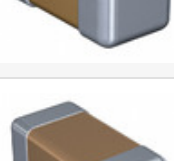
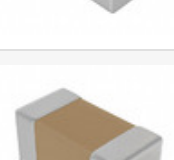
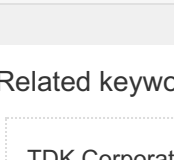
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C0603C0G1H820K030BA                                         | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 82PF 50V C0G 0201                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3453413 pcs                                                 | Data sheet                       | <a href="#">C Series, General Datasheet</a><br><a href="#">C Series, Gen Appl &amp; Mid-Voltage Spec</a><br><a href="#">MLCC Part Number Guide</a><br><a href="#">C0603C0G1H820K030BA Character Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a>                                  | Voltage - Rated                  | 50V                                                                                                                                                                                                       |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±10%                                                        | Thickness (Max)                  | 0.013" (0.33mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | C0G, NP0                                                    | Size / Dimension                 | 0.024" L x 0.012" W (0.60mm x 0.30mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                           | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tape & Reel (TR)                                            | Package / Case                   | 0201 (0603 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-13651-2<br>C0603C0G1H820KT00NN                          | 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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 82pF ±10% 50V Ceramic Capacitor C0G, NP0 0201 (0603 Metric) | Capacitance                      | 82pF                                                                                                                                                                                                      |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                             |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C0603C0G1H5R6C</a><br>Description: CAP CER 5.6PF 50V C0G 0201       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H620J</a><br>Description: CAP CER 62PF 50V C0G 0201        | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H560K030BA</a><br>Description: CAP CER 56PF 50V C0G 0201   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H6R8D030BA</a><br>Description: CAP CER 6.8PF 50V C0G 0201  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1HR75C030BA</a><br>Description: CAP CER 0.75PF 50V C0G 0201 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C1GACTU</a><br>Description: CAP CER 10PF 100V NP0 0603     | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H910J</a><br>Description: CAP CER 91PF 50V C0G 0201        | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C3GACTU</a><br>Description: CAP CER 10PF 25V NP0 0603      | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H560J030BA</a><br>Description: CAP CER 56PF 50V C0G 0201   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C4GACTU</a><br>Description: CAP CER 10PF 16V NP0 0603      | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H750J</a><br>Description: CAP CER 75PF 50V C0G 0201        | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H680J030BA</a><br>Description: CAP CER 68PF 50V C0G 0201   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C5GACTU</a><br>Description: CAP CER 10PF 50V C0G/NP0 0603  | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H680K030BA</a><br>Description: CAP CER 68PF 50V C0G 0201   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C5GALTU</a><br>Description: CAP CER 10PF 50V NP0 0603      | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100D1GACTU</a><br>Description: CAP CER 10PF 100V NP0 0603     | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H8R2C</a><br>Description: CAP CER 8.2PF 50V C0G 0201       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H6R8C</a><br>Description: CAP CER 6.8PF 50V C0G 0201       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C100C2GACTU</a><br>Description: CAP CER 10PF 200V NP0 0603     | Manufacturers: <a href="#">KEMET</a>           | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C0603C0G1H820J030BA</a><br>Description: CAP CER 82PF 50V C0G 0201   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |

| Related keywords for C0603C0G1H820K030BA |                                 |                              |                           |
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| TDK Corporation C0603C0G1H820K030BA      |                                 |                              |                           |