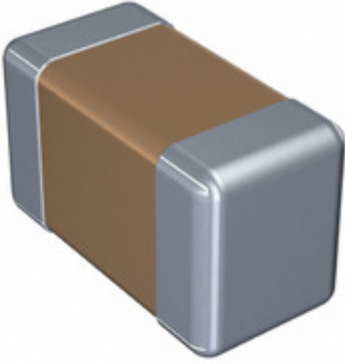


C1608C0G1H820J080AA



Part Number: [C1608C0G1H820J080AA](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 82PF 50V C0G 0603

Data sheet: [PDF C Series, General Datasheet](#)  
[PDF C Series, Gen Appl & Mid-Voltage Spec](#)  
[PDF C1608C0G1H820J080AA Character Sheet](#)  
[PDF MLCC Part Number Guide](#)

RoHs Status: Lead free / RoHS Compliant

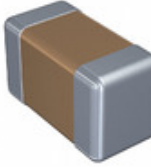
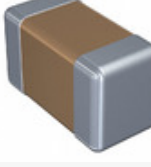
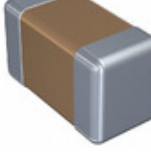
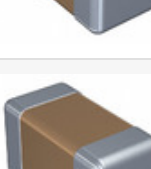
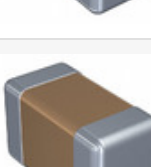
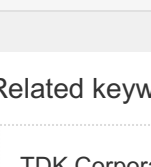
Ship From: Hong Kong

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

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C1608C0G1H820J080AA                                        | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 82PF 50V C0G 0603                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6373874 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="#">C1608C0G1H820J080AA Character Sheet</a><br><a href="#">MLCC Part Number Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a>                                 | Voltage - Rated                  | 50V                                                                                                                                                                                                       |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±5%                                                        | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | C0G, NP0                                                   | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                          | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cut Tape (CT)                                              | Package / Case                   | 0603 (1608 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-1280-1                                                 | 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 ±5% 50V Ceramic Capacitor C0G, NP0 0603 (1608 Metric) | Capacitance                      | 82pF                                                                                                                                                                                                      |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                            |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C1608C0G1H911J</a><br>Description: CAP CER 910PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H681J080AA</a><br>Description: CAP CER 680PF 50V C0G 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H6R8D</a><br>Description: CAP CER 6.8PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H8R2D</a><br>Description: CAP CER 8.2PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H821J080AA</a><br>Description: CAP CER 820PF 50V C0G 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H821J/10</a><br>Description: CAP CER 820PF 50V C0G 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H682J080AA</a><br>Description: CAP CER 6800PF 50V C0G 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H910J</a><br>Description: CAP CER 91PF 50V C0G 0603        | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H681K080AA</a><br>Description: CAP CER 680PF 50V C0G 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H820J/10</a><br>Description: CAP CER 82PF 50V C0G 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H821K080AA</a><br>Description: CAP CER 820PF 50V C0G 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H750J</a><br>Description: CAP CER 75PF 50V C0G 0603        | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H682K080AA</a><br>Description: CAP CER 6800PF 50V C0G 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H822K080AA</a><br>Description: CAP CER 8200PF 50V C0G 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H8R2C</a><br>Description: CAP CER 8.2PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H6R8C</a><br>Description: CAP CER 6.8PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H751J</a><br>Description: CAP CER 750PF 50V C0G 0603       | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H681J/10</a><br>Description: CAP CER 680PF 50V C0G 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1H822J080AA</a><br>Description: CAP CER 8200PF 50V C0G 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608C0G1HR75C080AA</a><br>Description: CAP CER 0.75PF 50V C0G 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |

| Related keywords for C1608C0G1H820J080AA |                                 |                              |                           |
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