

C1608JB1H683K080AA





**Part Number:** [C1608JB1H683K080AA](#)

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

**Description:** CAP CER 0.068UF 50V JB 0603

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

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C1608JB1H683K080AA                                       | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CAP CER 0.068UF 50V JB 0603                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2780234 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> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Capacitors</a>                               | Voltage - Rated                  | 50V                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±10%                                                     | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                          | JB                                                       | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                                                        | Ratings                          | -                                                                                                                                                  |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Original-Reel®                                           | Package / Case                   | 0603 (1608 Metric)                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 445-11281-6                                              | Operating Temperature            | -25°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                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Low ESL                                                  | Failure Rate                     | -                                                                                                                                                  |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.068µF ±10% 50V Ceramic Capacitor JB 0603 (1608 Metric) | Capacitance                      | 0.068µF                                                                                                                                            |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                     | General Purpose                                          |                                  |                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C1608JB1H473K080AA</a><br>Description: CAP CER 0.047UF 50V JB 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H334M080AB</a><br>Description: CAP CER 0.33UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V105M080AB</a><br>Description: CAP CER 1UF 35V JB 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H684M080AB</a><br>Description: CAP CER 0.68UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H684K080AB</a><br>Description: CAP CER 0.68UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H683M080AA</a><br>Description: CAP CER 0.068UF 50V JB 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H224K080AB</a><br>Description: CAP CER 0.22UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H333K080AA</a><br>Description: CAP CER 0.033UF 50V JB 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V155K080AC</a><br>Description: CAP CER 1.5UF 35V JB 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V155M080AC</a><br>Description: CAP CER 1.5UF 35V JB 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V105K080AB</a><br>Description: CAP CER 1UF 35V JB 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V224K080AB</a><br>Description: CAP CER 0.22UF 35V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H334K080AB</a><br>Description: CAP CER 0.33UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H473M080AA</a><br>Description: CAP CER 0.047UF 50V JB 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H333M080AA</a><br>Description: CAP CER 0.033UF 50V JB 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H474K080AB</a><br>Description: CAP CER 0.47UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V154M080AB</a><br>Description: CAP CER 0.15UF 35V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1V154K080AB</a><br>Description: CAP CER 0.15UF 35V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H224M080AB</a><br>Description: CAP CER 0.22UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1608JB1H474M080AB</a><br>Description: CAP CER 0.47UF 50V JB 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |

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