

C1608X6S1C225M080AC



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**Part Number:** [C1608X6S1C225M080AC](#)

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

**Description:** CAP CER 2.2UF 16V X6S 0603

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

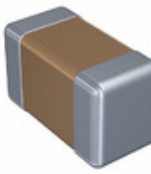
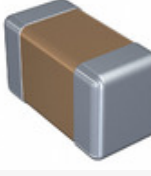
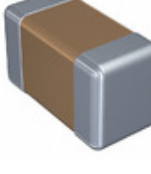
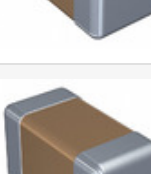
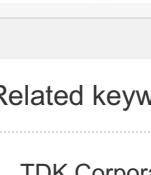
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                                  |                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C1608X6S1C225M080AC                                     | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 2.2UF 16V X6S 0603                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1224174 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                  | 16V                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±20%                                                    | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | X6S                                                     | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                       | Ratings                          | -                                                                                                                                                  |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tape & Reel (TR)                                        | Package / Case                   | 0603 (1608 Metric)                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-7439-2<br>C1608X6S1C225M<br>C1608X6S1C225MTJ00E     | Operating Temperature            | -55°C ~ 105°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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.2µF ±20% 16V Ceramic Capacitor X6S 0603 (1608 Metric) | Capacitance                      | 2.2µF                                                                                                                                              |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                         |                                  |                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|----------------|
|  | Part#: <a href="#">C1608X6S1C105K080AC</a><br>Description: CAP CER 1UF 16V X6S 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1A335M080AC</a><br>Description: CAP CER 3.3UF 10V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C225K080AC</a><br>Description: CAP CER 2.2UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1A475M080AC</a><br>Description: CAP CER 4.7UF 10V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C155K080AC</a><br>Description: CAP CER 1.5UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1E334M080AB</a><br>Description: CAP CER 0.33UF 25V X6S 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1A475K080AC</a><br>Description: CAP CER 4.7UF 10V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C335K080AC</a><br>Description: CAP CER 3.3UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C155M080AC</a><br>Description: CAP CER 1.5UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C105M080AC</a><br>Description: CAP CER 1UF 16V X6S 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C684M080AC</a><br>Description: CAP CER 0.68UF 16V X6S 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1E105K080AB</a><br>Description: CAP CER 1UF 25V X6S 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1E105M080AB</a><br>Description: CAP CER 1UF 25V X6S 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C475M080AC</a><br>Description: CAP CER 4.7UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1C335M080AC</a><br>Description: CAP CER 3.3UF 16V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X6S1A685K080AC</a><br>Description: CAP CER 6.8UF 10V X6S 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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