

C1608X7R1E224K080AC



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Part Number: C1608X7R1E224K080AC

Manufacturer: TDK Corporation

Description: CAP CER 0.22UF 25V X7R 0603

Data sheet:

PDF

C Series, General Datasheet

PDF

C Series, Gen Appl & Mid-Voltage Spec

PDF

MLCC Part Number Guide

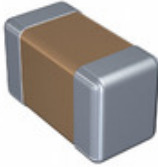
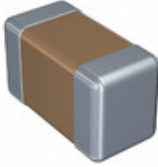
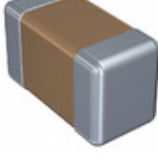
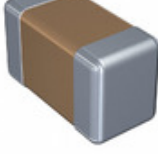
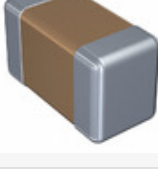
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       |                                  |                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                        | C1608X7R1E224K080AC                                                                   | Manufacturer                     | TDK Corporation                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 0.22UF 25V X7R 0603                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                 | 3100861 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                  | 25V                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                          | ±10%                                                                                  | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                            | X7R                                                                                   | 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                                                                                                                                                                                                                                                                                                                                                                                                        | 445-5191-2<br>C1608X7R1E224K<br>C1608X7R1E224K-ND<br>C1608X7R1E224KT000N<br>Q3672347B | 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                                                                                                                                                                                                                                                                                                                                                                                               | 0.22µF ±10% 25V Ceramic Capacitor X7R 0603 (1608 Metric)                              | Capacitance                      | 0.22µF                                                                                                                                             |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                       | General Purpose                                                                       |                                  |                                                                                                                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|----------------|
|  | Part#: <a href="#">C1608X7R1E223M</a><br>Description: CAP CER 0.022UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E474K080AB</a><br>Description: CAP CER 0.47UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E473M</a><br>Description: CAP CER 0.047UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E474K080AE</a><br>Description: CAP CER 0.47UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E105M080AB</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E154K080AA</a><br>Description: CAP CER 0.15UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E105M080AE</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E153K</a><br>Description: CAP CER 0.015UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E473K/10</a><br>Description: CAP CER 0.047UF 25V X7R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E153M</a><br>Description: CAP CER 0.015UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E334K080AC</a><br>Description: CAP CER 0.33UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E105K080AB</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E223K</a><br>Description: CAP CER 0.022UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E333K</a><br>Description: CAP CER 0.033UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E154M080AA</a><br>Description: CAP CER 0.15UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E333M</a><br>Description: CAP CER 0.033UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E473K</a><br>Description: CAP CER 0.047UF 25V X7R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E224M080AC</a><br>Description: CAP CER 0.22UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1608X7R1E105K080AE</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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