

C2012X5R1C225K125AA



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**Part Number:** [C2012X5R1C225K125AA](#)

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

**Description:** CAP CER 2.2UF 16V X5R 0805

**Data sheet:**  [C Series, General Datasheet](#)  
 [C Series, Gen Appl & Mid-Voltage Spec](#)  
 [MLCC Part Number Guide](#)  
 [C2012X5R1C225K125AA Character Sheet](#)

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

**Ship From:** Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C2012X5R1C225K125AA                                     | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 2.2UF 16V X5R 0805                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1301944 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="#">C2012X5R1C225K125AA Character Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a>                              | Voltage - Rated                  | 16V                                                                                                                                                                                                       |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±10%                                                    | Thickness (Max)                  | 0.057" (1.45mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | X5R                                                     | Size / Dimension                 | 0.079" L x 0.049" W (2.00mm x 1.25mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                       | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tape & Reel (TR)                                        | Package / Case                   | 0805 (2012 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-7638-2<br>C2012X5R1C225K1.25<br>C2012X5R1C225KT000N | Operating Temperature            | -55°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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.2µF ±10% 16V Ceramic Capacitor X5R 0805 (2012 Metric) | Capacitance                      | 2.2µF                                                                                                                                                                                                     |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                         |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                |                     |
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|  | Part#: <a href="#">C2012X5R1C335K085AB</a><br>Description: CAP CER 3.3UF 16V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">C2012X5R1C155K125AA</a><br>Description: CAP CER 1.5UF 16V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">C2012X5R1C105M085AA</a><br>Description: CAP CER 1UF 16V X5R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C335K060AC</a><br>Description: CAP CER 3.3UF 16V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C106M085AC</a><br>Description: CAP CER 10UF 16V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C105M1.25</a><br>Description: CAP CER 1UF 16V X5R 0805    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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