

C2012X7R1H105M125AE



Part Number: [C2012X7R1H105M125AE](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 1UF 50V X7R 0805

Data sheet:  [C Series, Soft Termination Datasheet](#)  
 [C Series, Soft Termination Spec](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                  |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C2012X7R1H105M125AE                                   | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CAP CER 1UF 50V X7R 0805                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                               | 324766 pcs                                            | Data sheet                       | <a href="#">C Series, Soft Termination Datasheet</a><br><a href="#">C Series, Soft Termination Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Capacitors</a>                            | Voltage - Rated                  | 50V                                                                                                     |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±20%                                                  | Thickness (Max)                  | 0.057" (1.45mm)                                                                                         |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                          | X7R                                                   | Size / Dimension                 | 0.079" L x 0.049" W (2.00mm x 1.25mm)                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                                                     | Ratings                          | -                                                                                                       |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Original-Reel®                                        | Package / Case                   | 0805 (2012 Metric)                                                                                      |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 445-6801-6                                            | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Soft Termination                                      | Failure Rate                     | -                                                                                                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1µF ±20% 50V Ceramic Capacitor X7R 0805 (2012 Metric) | Capacitance                      | 1µF                                                                                                     |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Boardflex Sensitive                                   |                                  |                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                |                |
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|  | Part#: <a href="#">C2012X7R1H105K085AC</a><br>Description: CAP CER 1UF 50V X7R 0805     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H104K125AM</a><br>Description: CAP CER 0.1UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H155K125AC</a><br>Description: CAP CER 1.5UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H222K</a><br>Description: CAP CER 2200PF 50V X7R 0805       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H154M085AA</a><br>Description: CAP CER 0.15UF 50V X7R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H155M125AC</a><br>Description: CAP CER 1.5UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H105K125AE</a><br>Description: CAP CER 1UF 50V X7R 0805     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H104M125AE</a><br>Description: CAP CER 0.1UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H105M085AC</a><br>Description: CAP CER 1UF 50V X7R 0805     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H154K085AA</a><br>Description: CAP CER 0.15UF 50V X7R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H154K125AA</a><br>Description: CAP CER 0.15UF 50V X7R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H104M085AA</a><br>Description: CAP CER 0.1UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H223M/0.60</a><br>Description: CAP CER 0.022UF 50V X7R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H104M/1.25</a><br>Description: CAP CER 0.1UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H105M125AB</a><br>Description: CAP CER 1UF 50V X7R 0805     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H222M</a><br>Description: CAP CER 2200PF 50V X7R 0805       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H105K125AB</a><br>Description: CAP CER 1UF 50V X7R 0805     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H223K/0.60</a><br>Description: CAP CER 0.022UF 50V X7R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H154M125AA</a><br>Description: CAP CER 0.15UF 50V X7R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X7R1H104K125AE</a><br>Description: CAP CER 0.1UF 50V X7R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |

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