

C2012X5R1H154M085AA





Part Number: C2012X5R1H154M085AA

Manufacturer: TDK Corporation

Description: CAP CER 0.15UF 50V X5R 0805

Data sheet: 

C Series, General Datasheet

C Series, Gen Appl & Mid-Voltage Spec

MLCC Part Number Guide

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |                                  |                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                        | C2012X5R1H154M085AA                                      | Manufacturer                     | TDK Corporation                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 0.15UF 50V X5R 0805                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                 | 2383134 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                                                                                                                                                                                                                                                                                                                                                                                                          | ±20%                                                     | Thickness (Max)                  | 0.039" (1.00mm)                                                                                                                                    |
| 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                                                                                                                                                                                                                                                                                                                                                                                                        | 445-14404-2<br>C2012X5R1H154MT0J0N                       | 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                                                                                                                                                                                                                                                                                                                                                                                               | 0.15µF ±20% 50V Ceramic Capacitor X5R 0805 (2012 Metric) | Capacitance                      | 0.15µF                                                                                                                                             |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                       | General Purpose                                          |                                  |                                                                                                                                                    |
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|  | Part#: <a href="#">C2012X5R1H225M085AB</a><br>Description: CAP CER 2.2UF 50V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C2012X5R1H155M125AB</a><br>Description: CAP CER 1.5UF 50V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C2012X5R1E685M125AC</a><br>Description: CAP CER 6.8UF 25V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C2012X5R1H224M125AA</a><br>Description: CAP CER 0.22UF 50V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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