

C2012X5R1C105K085AA



Part Number: C2012X5R1C105K085AA

Manufacturer: TDK Corporation

Description: CAP CER 1UF 16V X5R 0805

Data sheet:

 C Series, General Datasheet

 C2012X5R1C105K085AA Character Sheet

 C Series, Gen Appl & Mid-Voltage Spec

 MLCC Part Number Guide

RoHs Status: Lead free / RoHS Compliant

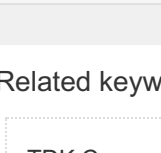
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C2012X5R1C105K085AA                                   | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 1UF 16V X5R 0805                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2143772 pcs                                           | Data sheet                       | <a href="#">C Series, General Datasheet</a><br><a href="#">C2012X5R1C105K085AA Character Sheet</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                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±10%                                                  | Thickness (Max)                  | 0.037" (0.95mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | X5R                                                   | Size / Dimension                 | 0.079" L x 0.049" W (2.00mm x 1.25mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                     | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cut Tape (CT)                                         | Package / Case                   | 0805 (2012 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-7632-1                                            | 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                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1µF ±10% 16V Ceramic Capacitor X5R 0805 (2012 Metric) | Capacitance                      | 1µF                                                                                                                                                                                                       |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                       |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C2012X5R1C106M125AC</a><br>Description: CAP CER 10UF 16V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C225K085AC</a><br>Description: CAP CER 2.2UF 16V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1A476M125AC</a><br>Description: CAP CER 47UF 10V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | 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="#">C2012X5R1C156M125AC</a><br>Description: CAP CER 15UF 16V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1A685M085AB</a><br>Description: CAP CER 6.8UF 10V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1A685M125AB</a><br>Description: CAP CER 6.8UF 10V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | 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="#">C2012X5R1A475M085AC</a><br>Description: CAP CER 4.7UF 10V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C105M/1.25</a><br>Description: CAP CER 1UF 16V X5R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1A685K125AB</a><br>Description: CAP CER 6.8UF 10V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">C2012X5R1C105K/1.25</a><br>Description: CAP CER 1UF 16V X5R 0805   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1A475M125AA</a><br>Description: CAP CER 4.7UF 10V X5R 0805 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C2012X5R1C106K085AC</a><br>Description: CAP CER 10UF 16V X5R 0805  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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