

C1005X5R1H222K050BA





Part Number: C1005X5R1H222K050BA

Manufacturer: TDK Corporation

Description: CAP CER 2200PF 50V X5R 0402

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                                                                                                                                                                                                                                                                                                                                                                                                        | C1005X5R1H222K050BA                                      | Manufacturer                     | TDK Corporation                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 2200PF 50V X5R 0402                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                 | 3148447 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                                                                                                                                                                                                                                                                                                                                                                                                          | ±10%                                                     | Thickness (Max)                  | 0.022" (0.55mm)                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                            | X5R                                                      | Size / Dimension                 | 0.039" L x 0.020" W (1.00mm x 0.50mm)                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                             | C                                                        | Ratings                          | -                                                                                                                                                  |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                          | Tape & Reel (TR)                                         | Package / Case                   | 0402 (1005 Metric)                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                        | 445-7378-2<br>C1005X5R1H222K<br>C1005X5R1H222KT000F      | 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                                                                                                                                                                                                                                                                                                                                                                                               | 2200pF ±10% 50V Ceramic Capacitor X5R 0402 (1005 Metric) | Capacitance                      | 2200pF                                                                                                                                             |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                       | General Purpose                                          |                                  |                                                                                                                                                    |
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|  | Part#: <a href="#">C1005X5R1H152M050BA</a><br>Description: CAP CER 1500PF 50V X5R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H333K050BB</a><br>Description: CAP CER 0.033UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H223M050BB</a><br>Description: CAP CER 0.022UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H223K050BB</a><br>Description: CAP CER 0.022UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H332M050BA</a><br>Description: CAP CER 3300PF 50V X5R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H221K050BA</a><br>Description: CAP CER 220PF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H103M050BB</a><br>Description: CAP CER 10000PF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H332K050BA</a><br>Description: CAP CER 3300PF 50V X5R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H221M050BA</a><br>Description: CAP CER 220PF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H471K050BA</a><br>Description: CAP CER 470PF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H104M050BB</a><br>Description: CAP CER 0.1UF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H153K050BB</a><br>Description: CAP CER 0.015UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H104K050BB</a><br>Description: CAP CER 0.1UF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H331M050BA</a><br>Description: CAP CER 330PF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H222M050BA</a><br>Description: CAP CER 2200PF 50V X5R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H152K050BA</a><br>Description: CAP CER 1500PF 50V X5R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H333M050BB</a><br>Description: CAP CER 0.033UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H153M050BB</a><br>Description: CAP CER 0.015UF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H103K050BB</a><br>Description: CAP CER 10000PF 50V X5R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X5R1H331K050BA</a><br>Description: CAP CER 330PF 50V X5R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |

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