

C1005X7R1H682K050BA



Part Number: [C1005X7R1H682K050BA](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 6800PF 50V X7R 0402

Data sheet:  [C Series, General Datasheet](#)  
 [C Series, Gen Appl & Mid-Voltage Spec](#)  
 [C1005X7R1H682K050BA Character Sheet](#)  
 [MLCC Part Number Guide](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C1005X7R1H682K050BA                                      | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 6800PF 50V X7R 0402                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6034427 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="#">C1005X7R1H682K050BA Character Sheet</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                                                                                                                                                                                                                                                                                                                                                                                                                                           | X7R                                                      | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-4922-2<br>C1005X7R1H682K<br>C1005X7R1H682KT000F      | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Low ESL                                                  | Failure Rate                     | -                                                                                                                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6800pF ±10% 50V Ceramic Capacitor X7R 0402 (1005 Metric) | Capacitance                      | 6800pF                                                                                                                                                                                                    |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                          |                                  |                                                                                                                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|  | Part#: <a href="#">C1005X7R1H472M050BE</a><br>Description: CAP CER 4700PF 50V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V153K050BB</a><br>Description: CAP CER 0.015UF 35V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H473K050BE</a><br>Description: CAP CER 0.047UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H473M050BE</a><br>Description: CAP CER 0.047UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V154K050BC</a><br>Description: CAP CER 0.15UF 35V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H681K050BA</a><br>Description: CAP CER 680PF 50V X7R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H472K050BA</a><br>Description: CAP CER 4700PF 50V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H681M050BA</a><br>Description: CAP CER 680PF 50V X7R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H472M050BA</a><br>Description: CAP CER 4700PF 50V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H473K050BB</a><br>Description: CAP CER 0.047UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H683K050BB</a><br>Description: CAP CER 0.068UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H683M050BB</a><br>Description: CAP CER 0.068UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H473M050BB</a><br>Description: CAP CER 0.047UF 50V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V153M050BB</a><br>Description: CAP CER 0.015UF 35V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V104M050BB</a><br>Description: CAP CER 0.1UF 35V X7R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V104K050BB</a><br>Description: CAP CER 0.1UF 35V X7R 0402   | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V103M050BB</a><br>Description: CAP CER 10000PF 35V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H472K050BE</a><br>Description: CAP CER 4700PF 50V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1H682M050BA</a><br>Description: CAP CER 6800PF 50V X7R 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C1005X7R1V103K050BB</a><br>Description: CAP CER 10000PF 35V X7R 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |

| Related keywords for C1005X7R1H682K050BA |                                 |                              |                           |
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