

C1005X6S1A684K050BC



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Part Number: C1005X6S1A684K050BC

Manufacturer: TDK Corporation

Description: CAP CER 0.68UF 10V X6S 0402

Data sheet:

 C Series, General Datasheet

 C Series, Gen Appl & Mid-Voltage Spec

 MLCC Part Number Guide

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |                                  |                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                        | C1005X6S1A684K050BC                                      | Manufacturer                     | TDK Corporation                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 0.68UF 10V X6S 0402                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                 | 3195758 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                  | 10V                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                          | ±10%                                                     | Thickness (Max)                  | 0.022" (0.55mm)                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                            | X6S                                                      | 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                                                                                                                                                                                                                                                                                                                                                                                                        | 445-13893-2<br>C1005X6S1A684KT000E                       | Operating Temperature            | -55°C ~ 105°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                                                                                                                                                                                                                                                                                                                                                                                               | 0.68µF ±10% 10V Ceramic Capacitor X6S 0402 (1005 Metric) | Capacitance                      | 0.68µF                                                                                                                                             |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                       | General Purpose                                          |                                  |                                                                                                                                                    |
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|  | Part#: <a href="#">C1005X6S1A474K050BC</a><br>Description: CAP CER 0.47UF 10V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1C105M050BC</a><br>Description: CAP CER 1UF 16V X6S 0402    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1A474M050BC</a><br>Description: CAP CER 0.47UF 10V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1A225K050BC</a><br>Description: CAP CER 2.2UF 10V X6S 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C1005X6S1C224K050BB</a><br>Description: CAP CER 0.22UF 16V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1C154K050BB</a><br>Description: CAP CER 0.15UF 16V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1A684M050BC</a><br>Description: CAP CER 0.68UF 10V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C1005X6S1C154M050BB</a><br>Description: CAP CER 0.15UF 16V X6S 0402 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C1005X6S1C155M050BC</a><br>Description: CAP CER 1.5UF 16V X6S 0402  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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