

CGA1A2X7R1E681K030BA



**Part Number:** [CGA1A2X7R1E681K030BA](#)

**Manufacturer:** [TDK Corporation](#)

**Description:** CAP CER 680PF 25V X7R 0201

**Data sheet:**  [CGA Series, Automotive Grade Catalog](#)  
 [CGA Series, Automotive General & Mid-Volt](#)  
 [CGA1A2X7R1E681K030BA Character Sheet](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                    |                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CGA1A2X7R1E681K030BA                                    | Manufacturer                       | <a href="#">TDK Corporation</a>                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 680PF 25V X7R 0201                              | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5047350 pcs                                             | Data sheet                         | <a href="#">CGA Series, Automotive Grade Catalog</a><br><a href="#">CGA Series, Automotive General &amp; Mid-Volt Spec</a><br><a href="#">CGA1A2X7R1E681K030BA Character Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Capacitors</a>                              | Voltage Rating - AC                | -                                                                                                                                                                                  |
| Voltage - Rated                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 25V                                                     | Tolerance                          | 680pF                                                                                                                                                                              |
| Thickness (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | X7R                                                     | Surface Mount Land Size            | -                                                                                                                                                                                  |
| Size / Dimension                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.024" L x 0.012" W (0.60mm x 0.30mm)                   | Series                             | CGA                                                                                                                                                                                |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tape & Reel (TR)                                        | Ripple Current - Low Frequency     | Automotive                                                                                                                                                                         |
| Ratings                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AEC-Q200                                                | Polarization                       | 0201 (0603 Metric)                                                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 445-12103-2<br>CGA1A2X7R1E681KT0YNN                     | Operating Temperature              | -55°C ~ 125°C                                                                                                                                                                      |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount, MLCC                                     | Moisture Sensitivity Level (MSL)   | 1 (Unlimited)                                                                                                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20 Weeks                                                | Manufacturer Part Number           | CGA1A2X7R1E681K030BA                                                                                                                                                               |
| Lead Style                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.012" (0.30mm)                                         | Height - Seated (Max)              | -                                                                                                                                                                                  |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                       | Failure Rate                       | -                                                                                                                                                                                  |
| Expanded Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | 680pF ±10% 25V Ceramic Capacitor X7R 0201 (0603 Metric) | ESR (Equivalent Series Resistance) | ±10%                                                                                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 680PF 25V X7R 0201                              |                                    |                                                                                                                                                                                    |
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|  | Part#: <a href="#">CGA1A2X7R1H331M030BA</a><br>Description: CAP CER 330PF 50V X7R 0201  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">CGA1A2X7R1H331K030BA</a><br>Description: CAP CER 330PF 50V X7R 0201  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">CGA1A2X7R1E331M030BA</a><br>Description: CAP CER 330PF 25V X7R 0201  | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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