

CGA3E1X7R1E105K080AE





**Part Number:** [CGA3E1X7R1E105K080AE](#)

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

**Description:** CAP CER 1UF 25V X7R 0603

**Data sheet:**  [CGA Series, Automotive Grade Catalog](#)  
 [CGA3E1X7R1E105K080AE Character Sheet](#)  
 [CGA Series, Automotive Soft Term Datasheet](#)  
 [CGA Series, Automotive Soft Termination Spec](#)

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

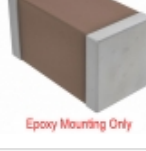
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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                                  |                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CGA3E1X7R1E105K080AE       | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 1UF 25V X7R 0603   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 751197 pcs                 | Data sheet                       | <a href="#">CGA Series, Automotive Grade Catalog</a><br><a href="#">CGA3E1X7R1E105K080AE Character Sheet</a><br><a href="#">CGA Series, Automotive Soft Term Datasheet</a><br><a href="#">CGA Series, Automotive Soft Termination Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a> | Voltage - Rated                  | 25V                                                                                                                                                                                                                                        |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±10%                       | Thickness (Max)                  | 0.037" (0.95mm)                                                                                                                                                                                                                            |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | X7R                        | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CGA                        | Ratings                          | AEC-Q200                                                                                                                                                                                                                                   |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Original-Reel®             | Package / Case                   | 0603 (1608 Metric)                                                                                                                                                                                                                         |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-173628-6               | Operating Temperature            | -55°C ~ 125°C                                                                                                                                                                                                                              |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surface Mount, MLCC        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                   | 52 Weeks                   | Lead Style                       | -                                                                                                                                                                                                                                          |
| Lead Spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                 |
| Height - Seated (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                          | Features                         | Soft Termination                                                                                                                                                                                                                           |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                          | Detailed Description             | 1µF ±10% 25V Ceramic Capacitor X7R 0603 (1608 Metric)                                                                                                                                                                                      |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1µF                        | Applications                     | Automotive, Boardflex Sensitive                                                                                                                                                                                                            |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all TDK Corporation series electronic components. We have 751197 pieces of TDK Corporation CGA3E1X7R1E105K080AE in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                            |                                  |                                                                                                                                                                                                                                            |

| RELATED PRODUCTS                                                                                                  |                                                                                         |                                                |                     |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------|---------------------|
|                                 | Part#: <a href="#">CGA3E1X7R1E684M080AC</a><br>Description: CAP CER 0.68UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C684K080AC</a><br>Description: CAP CER 0.68UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C105M080AC</a><br>Description: CAP CER 1UF 16V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  <div>Epoxy Mounting Only</div> | Part#: <a href="#">CGA3E1X7R1E684M080AD</a><br>Description: CAP CER 0.68UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C334M080AC</a><br>Description: CAP CER 0.33UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1E224K080AC</a><br>Description: CAP CER 0.22UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C684M080AC</a><br>Description: CAP CER 0.68UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C334K080AC</a><br>Description: CAP CER 0.33UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  <div>Epoxy Mounting Only</div> | Part#: <a href="#">CGA3E1X7R1E105K080AD</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1E224M080AC</a><br>Description: CAP CER 0.22UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1C474M080AC</a><br>Description: CAP CER 0.47UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1E105M080AC</a><br>Description: CAP CER 1UF 25V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|  <div>Epoxy Mounting Only</div> | Part#: <a href="#">CGA3E1X7R1E684K080AD</a><br>Description: CAP CER 0.68UF 25V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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|                                 | Part#: <a href="#">CGA3E1X7R1C474K080AC</a><br>Description: CAP CER 0.47UF 16V X7R 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
|                                 | Part#: <a href="#">CGA3E1X7R1V105K080AC</a><br>Description: CAP CER 1UF 35V X7R 0603    | Manufacturers: <a href="#">TDK Corporation</a> | <a href="#">RFQ</a> |
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| Related keywords for <b>CGA3E1X7R1E105K080AE</b> |                                  |                               |                            |
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