

**CGA3E1X7R1E105K080AC**



**Part Number:** [CGA3E1X7R1E105K080AC](#)

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

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

**Data sheet:** [PDF CGA Series, Automotive Grade Catalog](#)

[PDF CGA Series, Automotive General & Mid-Volt](#)

[PDF CGA3E1X7R1E105K080AC Character Sheet](#)

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

**Ship From:** Hong Kong

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

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**PRODUCT PARAMETER**

|                                       |                                                       |                                         |                                                                                                                                                                                    |
|---------------------------------------|-------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Part Number</b>                    | CGA3E1X7R1E105K080AC                                  | <b>Manufacturer</b>                     | <a href="#">TDK Corporation</a>                                                                                                                                                    |
| <b>Description</b>                    | CAP CER 1UF 25V X7R 0603                              | <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant                                                                                                                                                         |
| <b>Quantity Available</b>             | 1512334 pcs                                           | <b>Data sheet</b>                       | <a href="#">CGA Series, Automotive Grade Catalog</a><br><a href="#">CGA Series, Automotive General &amp; Mid-Volt Spec</a><br><a href="#">CGA3E1X7R1E105K080AC Character Sheet</a> |
| <b>Category</b>                       | <a href="#">Capacitors</a>                            | <b>Voltage - Rated</b>                  | 25V                                                                                                                                                                                |
| <b>Tolerance</b>                      | ±10%                                                  | <b>Thickness (Max)</b>                  | 0.035" (0.90mm)                                                                                                                                                                    |
| <b>Temperature Coefficient</b>        | X7R                                                   | <b>Size / Dimension</b>                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                                                              |
| <b>Series</b>                         | CGA                                                   | <b>Ratings</b>                          | AEC-Q200                                                                                                                                                                           |
| <b>Packaging</b>                      | Original-Reel®                                        | <b>Package / Case</b>                   | 0603 (1608 Metric)                                                                                                                                                                 |
| <b>Other Names</b>                    | 445-6931-6                                            | <b>Operating Temperature</b>            | -55°C ~ 125°C                                                                                                                                                                      |
| <b>Mounting Type</b>                  | Surface Mount, MLCC                                   | <b>Moisture Sensitivity Level (MSL)</b> | 1 (Unlimited)                                                                                                                                                                      |
| <b>Lead Style</b>                     | -                                                     | <b>Lead Spacing</b>                     | -                                                                                                                                                                                  |
| <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant                            | <b>Height - Seated (Max)</b>            | -                                                                                                                                                                                  |
| <b>Features</b>                       | -                                                     | <b>Failure Rate</b>                     | -                                                                                                                                                                                  |
| <b>Detailed Description</b>           | 1µF ±10% 25V Ceramic Capacitor X7R 0603 (1608 Metric) | <b>Capacitance</b>                      | 1µF                                                                                                                                                                                |
| <b>Applications</b>                   | Automotive                                            |                                         |                                                                                                                                                                                    |

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