

CGA3E1X5R1C105K080AC



Part Number: CGA3E1X5R1C105K080AC

Manufacturer: TDK Corporation

Description: CAP CER 1UF 16V X5R 0603

Data sheet:  [CGA Series, Automotive Grade Catalog](#)  
 [CGA3E1X5R1C105K080AC Character Sheet](#)  
 [CGA Series, Automotive General & Mid-Volt Spec](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                  |                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CGA3E1X5R1C105K080AC                | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 1UF 16V X5R 0603            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2815637 pcs                         | Data sheet                       | <a href="#">CGA Series, Automotive Grade Catalog</a><br><a href="#">CGA3E1X5R1C105K080AC Character Sheet</a><br><a href="#">CGA Series, Automotive General &amp; Mid-Volt Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Capacitors</a>          | Voltage - Rated                  | 16V                                                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±10%                                | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                                                    |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                            | X5R                                 | Size / Dimension                 | 0.063" L x 0.032" W (1.60mm x 0.80mm)                                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CGA                                 | Ratings                          | AEC-Q200                                                                                                                                                                           |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tape & Reel (TR)                    | Package / Case                   | 0603 (1608 Metric)                                                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 445-12457-2<br>CGA3E1X5R1C105KT0Y0N | Operating Temperature            | -55°C ~ 85°C                                                                                                                                                                       |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount, MLCC                 | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40 Weeks                            | Lead Style                       | -                                                                                                                                                                                  |
| Lead Spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                         |
| Height - Seated (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                   | Features                         | -                                                                                                                                                                                  |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                   | Detailed Description             | 1µF ±10% 16V Ceramic Capacitor X5R 0603 (1608 Metric)                                                                                                                              |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1µF                                 | Applications                     | Automotive                                                                                                                                                                         |
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|  | Part#: <a href="#">CGA3E1X5R0J475K080AC</a><br>Description: CAP CER 4.7UF 6.3V X5R 0603      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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