

CGA3E2X8R2A102M080AA





Part Number: [CGA3E2X8R2A102M080AA](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 1000PF 100V X8R 0603

Data sheet:  [CGA Series, Automotive High Temp Datasheet](#)  
 [CGA3E2X8R2A102M080AA Character Sheet](#)  
 [CGA Series, Automotive High Temp Spec](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                  |                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CGA3E2X8R2A102M080AA                | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 1000PF 100V X8R 0603        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2610667 pcs                         | Data sheet                       | <a href="#">CGA Series, Automotive High Temp Datasheet</a><br><a href="#">CGA3E2X8R2A102M080AA Character Sheet</a><br><a href="#">CGA Series, Automotive High Temp Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Capacitors</a>          | Voltage - Rated                  | 100V                                                                                                                                                                        |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±20%                                | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                                             |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                            | X8R                                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 445-12583-2<br>CGA3E2X8R2A102MT0Y0H | Operating Temperature            | -55°C ~ 150°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                         | High Temperature                                                                                                                                                            |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                   | Detailed Description             | 1000pF ±20% 100V Ceramic Capacitor X8R 0603 (1608 Metric)                                                                                                                   |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1000pF                              | Applications                     | Automotive                                                                                                                                                                  |
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|                                 | Part#: <a href="#">CGA3E2X8R1H473M080AE</a><br>Description: CAP CER 0.047UF 50V X8R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|                                 | Part#: <a href="#">CGA3E2X8R1H682M080AE</a><br>Description: CAP CER 6800PF 50V X8R 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|                                 | Part#: <a href="#">CGA3E2X8R1H682K080AE</a><br>Description: CAP CER 6800PF 50V X8R 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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