

CGA3E1X5R1C105M080AC





Part Number: CGA3E1X5R1C105M080AC

Manufacturer TDK Corporation

Description CAP CER 1UF 16V X5R 0603

Data sheet:

PDF

CGA Series, Automotive Grade Catalog

PDF

CGA3E1X5R1C105M080AC Character Sheet

PDF

CGA Series, Automotive General & Mid-Volt Spec

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                                  |                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                         | CGA3E1X5R1C105M080AC       | Manufacturer                     | TDK Corporation                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                         | CAP CER 1UF 16V X5R 0603   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                  | 2116183 pcs                | Data sheet                       | <a href="#">CGA Series, Automotive Grade Catalog</a><br><a href="#">CGA3E1X5R1C105M080AC Character Sheet</a><br><a href="#">CGA Series, Automotive General &amp; Mid-Volt Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Capacitors</a> | Voltage - Rated                  | 16V                                                                                                                                                                                |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                           | ±20%                       | 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                                                                                                                                                                                                                                                                                                                                                                                                           | Original-Reel®             | Package / Case                   | 0603 (1608 Metric)                                                                                                                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                         | 445-12458-6                | 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 ±20% 16V Ceramic Capacitor X5R 0603 (1608 Metric)                                                                                                                              |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                         | 1µF                        | Applications                     | Automotive                                                                                                                                                                         |
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|  | Part#: <a href="#">CGA3E1C0G2A682J080AC</a><br>Description: CAP CER 6800PF 100V C0G 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">CGA3E1C0G2A682J080AE</a><br>Description: CAP CER 6800PF 100V C0G/NP0 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E1X5R0J475M080AC</a><br>Description: CAP CER 4.7UF 6.3V X5R 0603      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E1X7R0J225K080AC</a><br>Description: CAP CER 2.2UF 6.3V X7R 0603      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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