

CGA3E2NP02A681J080AA





Part Number: [CGA3E2NP02A681J080AA](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 680PF 100V NP0 0603

Data sheet:  [CGA Series, Automotive High Temp Datasheet](#)  
 [CGA3E2NP02A681J080AA Character Sheet](#)  
 [CGA Series, Automotive High Temp Spec](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                                  |                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CGA3E2NP02A681J080AA                | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAP CER 680PF 100V NP0 0603         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1485938 pcs                         | Data sheet                       | <a href="#">CGA Series, Automotive High Temp Datasheet</a><br><a href="#">CGA3E2NP02A681J080AA Character Sheet</a><br><a href="#">CGA Series, Automotive High Temp Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Capacitors</a>          | Voltage - Rated                  | 100V                                                                                                                                                                        |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±5%                                 | Thickness (Max)                  | 0.035" (0.90mm)                                                                                                                                                             |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                            | C0G, NP0                            | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 445-12375-2<br>CGA3E2NP02A681JT0Y0N | Operating Temperature            | -55°C ~ 150°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                         | High Temperature                                                                                                                                                            |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                   | Detailed Description             | 680pF ±5% 100V Ceramic Capacitor C0G, NP0 0603 (1608 Metric)                                                                                                                |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 680pF                               | Applications                     | Automotive                                                                                                                                                                  |
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|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------|----------------|
|  | Part#: <a href="#">CGA3E2X5R1A334K080AA</a><br>Description: CAP CER 0.33UF 10V X5R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A561J080AA</a><br>Description: CAP CER 560PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2X5R1A105M080AA</a><br>Description: CAP CER 1UF 10V X5R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">CGA3E2NP02A680J080AA</a><br>Description: CAP CER 68PF 100V NP0 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2X5R1A474M080AA</a><br>Description: CAP CER 0.47UF 10V X5R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A471J080AA</a><br>Description: CAP CER 470PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">CGA3E2NP02A821J080AA</a><br>Description: CAP CER 820PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">CGA3E2X5R1A474K080AA</a><br>Description: CAP CER 0.47UF 10V X5R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A6R8D080AA</a><br>Description: CAP CER 6.8PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A332J080AA</a><br>Description: CAP CER 3300PF 100V NP0 0603 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A4R7C080AA</a><br>Description: CAP CER 4.7PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A3R3C080AA</a><br>Description: CAP CER 3.3PF 100V NP0 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A470J080AA</a><br>Description: CAP CER 47PF 100V NP0 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2X5R1A684K080AA</a><br>Description: CAP CER 0.68UF 10V X5R 0603  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2X5R1A105K080AA</a><br>Description: CAP CER 1UF 10V X5R 0603     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A820J080AA</a><br>Description: CAP CER 82PF 100V NP0 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA3E2NP02A560J080AA</a><br>Description: CAP CER 56PF 100V NP0 0603   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |

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