

CGA6M1X8R1E685K200AC



Part Number: [CGA6M1X8R1E685K200AC](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 6.8UF 25V X8R 1210

Data sheet:  [CGA Series, Automotive High Temp Datasheet](#)  
 [C Series, High Temp Appl Spec](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                                  |                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CGA6M1X8R1E685K200AC                                    | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CAP CER 6.8UF 25V X8R 1210                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                               | 85381 pcs                                               | Data sheet                       | <a href="#">CGA Series, Automotive High Temp Datasheet</a><br><a href="#">C Series, High Temp Appl Spec</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Capacitors</a>                              | Voltage - Rated                  | 25V                                                                                                         |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±10%                                                    | Thickness (Max)                  | 0.087" (2.20mm)                                                                                             |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                          | X8R                                                     | Size / Dimension                 | 0.126" L x 0.098" W (3.20mm x 2.50mm)                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CGA                                                     | Ratings                          | AEC-Q200                                                                                                    |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tape & Reel (TR)                                        | Package / Case                   | 1210 (3225 Metric)                                                                                          |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 445-174831-2<br>CGA6M1X8R1E685KT0Y0N                    | Operating Temperature            | -55°C ~ 150°C                                                                                               |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Surface Mount, MLCC                                     | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                               |
| Lead Style                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                       | Lead Spacing                     | -                                                                                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead free / RoHS Compliant                              | Height - Seated (Max)            | -                                                                                                           |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                         | High Temperature                                        | Failure Rate                     | -                                                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6.8µF ±10% 25V Ceramic Capacitor X8R 1210 (3225 Metric) | Capacitance                      | 6.8µF                                                                                                       |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Automotive                                              |                                  |                                                                                                             |
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|  | Part#: <a href="#">CGA6M1X8L1H335K200AC</a><br>Description: CAP CER X8L 50V 3.3UF 10% 2.00MM | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2C0G1H683J200AA</a><br>Description: CAP CER 0.068UF 50V C0G 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7T2J154M200AE</a><br>Description: CAP CER 0.15UF 630V X7T 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7T2J154M200AC</a><br>Description: CAP CER 0.15UF 630V X7T 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2NP01H473J200AA</a><br>Description: CAP CER 0.047UF 50V NP0 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2NP02A333J200AA</a><br>Description: CAP CER 0.033UF 100V NP0 1210    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7S3D102M200AA</a><br>Description: CAP CER 1000PF 2KV X7S 1210      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X8R1E685K200AD</a><br>Description: CAP CER 6.8UF 25V X8R 1210       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2C0G2A333J200AA</a><br>Description: CAP CER 0.033UF 100V C0G 1210    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X8L1C156M200AC</a><br>Description: CAP CER X8L 16V 15UF 20% 2.00MM  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X8L1H475K200AC</a><br>Description: CAP CER X8L 50V 4.7UF 10% 2.00MM | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7T2J154K200AE</a><br>Description: CAP CER 0.15UF 630V X7T 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2X7R1E475K200AD</a><br>Description: CAP CER 4.7UF 25V X7R 1210       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2X7R1E475M200AD</a><br>Description: CAP CER 4.7UF 25V X7R 1210       | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1C0G3A682J200AE</a><br>Description: CAP CER 6800PF 1000V C0GNP0 1210 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7T2J154K200AC</a><br>Description: CAP CER 0.15UF 630V X7T 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M1X7S3D102K200AA</a><br>Description: CAP CER 1000PF 2KV X7S 1210      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2NP01H683J200AA</a><br>Description: CAP CER 0.068UF 50V NP0 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">CGA6M2C0G1H473J200AA</a><br>Description: CAP CER 0.047UF 50V C0G 1210     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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