

CGA5L1X7R1E685M160AD



Epoxy Mounting Only

Part Number: [CGA5L1X7R1E685M160AD](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 6.8UF 25V X7R 1206

Data sheet:  [CGA Series, Automotive Epoxy Appl](#)  
 [CGA Series, Automotive Epoxy Appl Spec](#)  
 [CGA5L1X7R1E685M160AD Character Sheet](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |                                  |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CGA5L1X7R1E685M160AD               | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 6.8UF 25V X7R 1206         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                | 169716 pcs                         | Data sheet                       | <a href="#">CGA Series, Automotive Epoxy Appl</a><br><a href="#">CGA Series, Automotive Epoxy Appl Spec</a><br><a href="#">CGA5L1X7R1E685M160AD Character Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a>         | Voltage - Rated                  | 25V                                                                                                                                                                 |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±20%                               | Thickness (Max)                  | 0.071" (1.80mm)                                                                                                                                                     |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                           | X7R                                | Size / Dimension                 | 0.126" L x 0.063" W (3.20mm x 1.60mm)                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CGA                                | Ratings                          | AEC-Q200                                                                                                                                                            |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tape & Reel (TR)                   | Package / Case                   | 1206 (3216 Metric)                                                                                                                                                  |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 445-9989-2<br>CGA5L1X7R1E685MT0Y0B | Operating Temperature            | -55°C ~ 125°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                         | Epoxy Mountable                                                                                                                                                     |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                  | Detailed Description             | 6.8µF ±20% 25V Ceramic Capacitor X7R 1206 (3216 Metric)                                                                                                             |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.8µF                              | Applications                     | Automotive                                                                                                                                                          |
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|                                 | Part#: <a href="#">CGA5L1X7R1V106K160AC</a><br>Description: CAP CER 10UF 35V X7R 1206  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|                                 | Part#: <a href="#">CGA5L1X7R1V475K160AE</a><br>Description: CAP CER 4.7UF 35V X7R 1206 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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