

C3216X7R1V685K160AC



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Part Number: C3216X7R1V685K160AC

Manufacturer: TDK Corporation

Description: CAP CER 6.8UF 35V X7R 1206

Data sheet:

 C Series, General Datasheet

 C Series, Gen Appl & Mid-Voltage Spec

 MLCC Part Number Guide

 C3216X7R1V685K160AC Character Sheet

RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                                  |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                       | C3216X7R1V685K160AC                                     | Manufacturer                     | TDK Corporation                                                                                                                                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                       | CAP CER 6.8UF 35V X7R 1206                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                | 128321 pcs                                              | Data sheet                       | <a href="#">C Series, General Datasheet</a><br><a href="#">C Series, Gen Appl &amp; Mid-Voltage Spec</a><br><a href="#">MLCC Part Number Guide</a><br><a href="#">C3216X7R1V685K160AC Character Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Capacitors</a>                              | Voltage - Rated                  | 35V                                                                                                                                                                                                       |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                         | ±10%                                                    | Thickness (Max)                  | 0.071" (1.80mm)                                                                                                                                                                                           |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                           | X7R                                                     | Size / Dimension                 | 0.126" L x 0.063" W (3.20mm x 1.60mm)                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                            | C                                                       | Ratings                          | -                                                                                                                                                                                                         |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                         | Cut Tape (CT)                                           | Package / Case                   | 1206 (3216 Metric)                                                                                                                                                                                        |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                       | 445-14808-1                                             | Operating Temperature            | -55°C ~ 125°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                                                                                                                                                                                                                                                                                                                                                                                                          | Low ESL                                                 | Failure Rate                     | -                                                                                                                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                              | 6.8µF ±10% 35V Ceramic Capacitor X7R 1206 (3216 Metric) | Capacitance                      | 6.8µF                                                                                                                                                                                                     |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                      | General Purpose                                         |                                  |                                                                                                                                                                                                           |
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|  | Part#: <a href="#">C3216X7R2A104K160AM</a><br>Description: CAP CER 0.1UF 100V X7R 1206 | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C3216X7R1V475K085AC</a><br>Description: CAP CER 4.7UF 35V X7R 1206  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C3216X7R1V475M160AB</a><br>Description: CAP CER 4.7UF 35V X7R 1206  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C3216X7R1V475K160AE</a><br>Description: CAP CER 4.7UF 35V X7R 1206  | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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