

FA16X7R1E685KRU06



Part Number: [FA16X7R1E685KRU06](#)

Manufacturer: [TDK Corporation](#)

Description: CAP CER 6.8UF 25V X7R RADIAL

Data sheet:  [FA Series, Spec](#)  
 [FA16X7R1E685KRU06 Character Sheet](#)  
 [FA Series, Automotive Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                                  |                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FA16X7R1E685KRU06            | Manufacturer                     | <a href="#">TDK Corporation</a>                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CAP CER 6.8UF 25V X7R RADIAL | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                             | 132723 pcs                   | Data sheet                       | <a href="#">FA Series, Spec</a><br><a href="#">FA16X7R1E685KRU06 Character Sheet</a><br><a href="#">FA Series, Automotive Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Capacitors</a>   | Voltage - Rated                  | 25V                                                                                                                                     |
| Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±10%                         | Thickness (Max)                  | -                                                                                                                                       |
| Temperature Coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                        | X7R                          | Size / Dimension                 | 0.217" L x 0.138" W (5.50mm x 3.50mm)                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FA                           | Ratings                          | AEC-Q200                                                                                                                                |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cut Tape (CT)                | Package / Case                   | Radial                                                                                                                                  |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 445-180434-1                 | Operating Temperature            | -55°C ~ 125°C                                                                                                                           |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Through Hole                 | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                | 16 Weeks                     | Lead Style                       | Formed Leads                                                                                                                            |
| Lead Spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.098" (2.50mm)              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                              |
| Height - Seated (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.236" (6.00mm)              | Features                         | -                                                                                                                                       |
| Failure Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                            | Detailed Description             | 6.8µF ±10% 25V Ceramic Capacitor X7R Radial                                                                                             |
| Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6.8µF                        | Applications                     | Automotive                                                                                                                              |
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|  | Part#: <a href="#">FA16X7R1H684KNU06</a><br>Description: CAP CER 0.68UF 50V X7R RADIAL   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1H475KRU06</a><br>Description: CAP CER 4.7UF 50V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E225KNU00</a><br>Description: CAP CER 2.2UF 25V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1H475KRU00</a><br>Description: CAP CER 4.7UF 50V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16NP02A333JNU06</a><br>Description: CAP CER 0.033UF 100V NP0 RADIAL | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E155KNU06</a><br>Description: CAP CER 1.5UF 25V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E105KNU00</a><br>Description: CAP CER 1UF 25V X7R RADIAL      | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E106KRU06</a><br>Description: CAP CER 10UF 25V X7R RADIAL     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E106KRU00</a><br>Description: CAP CER 10UF 25V X7R RADIAL     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R2A105KNU06</a><br>Description: CAP CER 1UF 100V X7R RADIAL     | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E225KNU06</a><br>Description: CAP CER 2.2UF 25V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1H474KNU06</a><br>Description: CAP CER 0.47UF 50V X7R RADIAL   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1H335KRU00</a><br>Description: CAP CER 3.3UF 50V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1H335KRU06</a><br>Description: CAP CER 3.3UF 50V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">FA16X7R1H474KNU00</a><br>Description: CAP CER 0.47UF 50V X7R RADIAL   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">FA16X7R1H684KNU00</a><br>Description: CAP CER 0.68UF 50V X7R RADIAL   | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |
|  | Part#: <a href="#">FA16X7R1E155KNU00</a><br>Description: CAP CER 1.5UF 25V X7R RADIAL    | Manufacturers: <a href="#">TDK Corporation</a> | <div>RFQ</div> |

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