

## CGA3E1X7R1C684M080AC



**Part Number:** [CGA3E1X7R1C684M080AC](#)

**Manufacturer:** [TDK Corporation](#)

**Description:** CAP CER 0.68UF 16V X7R 0603

**Data sheet:** [PDF CGA Series, Automotive Grade Catalog](#)

[PDF CGA3E1X7R1C684M080AC Character Sheet](#)

[PDF CGA Series, Automotive General & Mid-Volt Spec](#)

**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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### PRODUCT PARAMETER

<b>Part Number</b>	CGA3E1X7R1C684M080AC	<b>Manufacturer</b>	<a href="#">TDK Corporation</a>
<b>Description</b>	CAP CER 0.68UF 16V X7R 0603	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	1861682 pcs	<b>Data sheet</b>	<a href="#">CGA Series, Automotive Grade Catalog</a> <a href="#">CGA3E1X7R1C684M080AC Character Sheet</a> <a href="#">CGA Series, Automotive General &amp; Mid-Volt Spec</a>
<b>Category</b>	<a href="#">Capacitors</a>	<b>Voltage - Rated</b>	16V
<b>Tolerance</b>	±20%	<b>Thickness (Max)</b>	0.035" (0.90mm)
<b>Temperature Coefficient</b>	X7R	<b>Size / Dimension</b>	0.063" L x 0.032" W (1.60mm x 0.80mm)
<b>Series</b>	CGA	<b>Ratings</b>	AEC-Q200
<b>Packaging</b>	Tape & Reel (TR)	<b>Package / Case</b>	0603 (1608 Metric)
<b>Other Names</b>	445-12538-2 CGA3E1X7R1C684MT0Y0N	<b>Operating Temperature</b>	-55°C ~ 125°C
<b>Mounting Type</b>	Surface Mount, MLCC	<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Manufacturer Standard Lead Time</b>	40 Weeks	<b>Lead Style</b>	-
<b>Lead Spacing</b>	-	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Height - Seated (Max)</b>	-	<b>Features</b>	-
<b>Failure Rate</b>	-	<b>Detailed Description</b>	0.68µF ±20% 16V Ceramic Capacitor X7R 0603 (1608 Metric)
<b>Capacitance</b>	0.68µF	<b>Applications</b>	Automotive

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">CGA3E1X7R1E105M080AC</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R0J155M080AC</a> <b>Description:</b> CAP CER 1.5UF 6.3V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E224M080AC</a> <b>Description:</b> CAP CER 0.22UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R0J225K080AC</a> <b>Description:</b> CAP CER 2.2UF 6.3V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C334M080AC</a> <b>Description:</b> CAP CER 0.33UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E684K080AC</a> <b>Description:</b> CAP CER 0.68UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C684K080AC</a> <b>Description:</b> CAP CER 0.68UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E224K080AC</a> <b>Description:</b> CAP CER 0.22UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C334K080AC</a> <b>Description:</b> CAP CER 0.33UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E684K080AD</a> <b>Description:</b> CAP CER 0.68UF 25V X7R 0603 <small>Epoxy Mounting Only</small>	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R0J225M080AC</a> <b>Description:</b> CAP CER 2.2UF 6.3V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C474M080AC</a> <b>Description:</b> CAP CER 0.47UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C105K080AC</a> <b>Description:</b> CAP CER 1UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E105K080AC</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C105M080AC</a> <b>Description:</b> CAP CER 1UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E105M080AD</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603 <small>Epoxy Mounting Only</small>	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E105K080AD</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603 <small>Epoxy Mounting Only</small>	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E105M080AE</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1E105K080AE</a> <b>Description:</b> CAP CER 1UF 25V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1C474K080AC</a> <b>Description:</b> CAP CER 0.47UF 16V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>

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