

## CGA3E1X8L1C684K080AC



**Part Number:** [CGA3E1X8L1C684K080AC](#)  
**Manufacturer:** [TDK Corporation](#)  
**Description:** CAP CER X8L 16V 0.68UF 10% 0.80M  
**Data sheet:** [PDF CGA Series, Automotive High Temp Datasheet](#)  
[PDF CGA3E1X8L1C684K080AC Character Sheet](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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### PRODUCT PARAMETER

<b>Part Number</b>	CGA3E1X8L1C684K080AC	<b>Manufacturer</b>	<a href="#">TDK Corporation</a>
<b>Description</b>	CAP CER X8L 16V 0.68UF 10% 0.80M	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	742139 pcs	<b>Data sheet</b>	<a href="#">CGA Series, Automotive High Temp Datasheet</a> <a href="#">CGA3E1X8L1C684K080AC Character Sheet</a>
<b>Category</b>	<a href="#">Capacitors</a>	<b>Voltage - Rated</b>	16V
<b>Tolerance</b>	±10%	<b>Thickness (Max)</b>	0.035" (0.90mm)
<b>Temperature Coefficient</b>	X8L	<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>	445-175259-2 CGA3E1X8L1C684KT000N	<b>Operating Temperature</b>	-55°C ~ 150°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>	High Temperature
<b>Failure Rate</b>	-	<b>Detailed Description</b>	0.68µF ±10% 16V Ceramic Capacitor X8L 0603 (1608 Metric)
<b>Capacitance</b>	0.68µF	<b>Applications</b>	Automotive

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">CGA3E1X7S1C225K080AC</a> <b>Description:</b> CAP CER 2.2UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H030C080AD</a> <b>Description:</b> CAP CER 3PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8L1C105K080AC</a> <b>Description:</b> CAP CER X8L 16V 1.0UF 10% 0.80MM	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8R1E334K080AD</a> <b>Description:</b> CAP CER 0.33UF 25V X8R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7S1C225M080AC</a> <b>Description:</b> CAP CER 2.2UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7S1C155K080AC</a> <b>Description:</b> CAP CER 1.5UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7S1C225K080AE</a> <b>Description:</b> CAP CER 2.2UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H010C080AD</a> <b>Description:</b> CAP CER 1PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8R1E334K080AC</a> <b>Description:</b> CAP CER 0.33UF 25V X8R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H040C080AA</a> <b>Description:</b> CAP CER 4PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H010C080AA</a> <b>Description:</b> CAP CER 1PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7S1C225M080AE</a> <b>Description:</b> CAP CER 2.2UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7S1C155M080AC</a> <b>Description:</b> CAP CER 1.5UF 16V X7S 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H020C080AD</a> <b>Description:</b> CAP CER 2PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8L0J225K080AC</a> <b>Description:</b> CAP CER X8L 6.3V 2.2UF 10% 0.80M	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8R1E334K080AE</a> <b>Description:</b> CAP CER 0.33UF 25V X8R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X7R1V684M080AC</a> <b>Description:</b> CAP CER 0.68UF 35V X7R 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H020C080AA</a> <b>Description:</b> CAP CER 2PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E2C0G1H030C080AA</a> <b>Description:</b> CAP CER 3PF 50V C0G 0603	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">CGA3E1X8L0J155K080AC</a> <b>Description:</b> CAP CER X8L 6.3V 1.5UF 10% 0.80M	<b>Manufacturers:</b> <a href="#">TDK Corporation</a>	<a href="#">RFQ</a>

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