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High Temperature Capacitors

Capacitance solutions for applications up to 260°C and voltages up to 20kV



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High Voltage X7R Dielectric SMD MLCCs

Exhibit minimal change in capacitance with regard to temperature.



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Automotive-Grade MLCCs

Capacitance change is limited to ±30 ppm/°C from -55°C to +125°C, AEC-Q200 automotive qualified



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C1210C X5R High CV MLCCs

Temperature stable dielectric with maximum operating temp. up to 85°C and cap. range to 100µF.



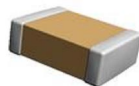
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KEMET Commercial Off-the-Shelf (COTS) SMD MLCCs

Address reliability concerns of commercial-grade products in higher reliability applications.



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Mouser Part #: 80-C0805C104K5R
Manufacturer Part #: C0805C104K5RACTU
Manufacturer: [Kemet](#)
Description: Multilayer Ceramic Capacitors MLCC - SMD/SMT 50volts 0.1uF X7R 10%
[Available in MultiSIM BLUE](#)
[Page 1,088, Mouser Online Catalog](#)
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Manufacturer:	Kemet	<input checked="" type="checkbox"/>
Product Category:	Multilayer Ceramic Capacitors MLCC - SMD/SMT	<input checked="" type="checkbox"/>
RoHS:	 Details	
Brand:	Kemet	
Capacitance:	0.1 uF	<input type="checkbox"/>
Voltage Rating DC:	50 V	<input type="checkbox"/>
Dielectric:	X7R	<input type="checkbox"/>
Tolerance:	10 %	<input type="checkbox"/>
Case Code - in:	0805	<input type="checkbox"/>
Case Code - mm:	2012	<input type="checkbox"/>
Minimum Operating Temperature:	- 55 C	<input type="checkbox"/>
Maximum Operating Temperature:	+ 125 C	<input type="checkbox"/>
Termination Style:	SMD/SMT	<input type="checkbox"/>
Product:	General Type MLCCs	<input type="checkbox"/>
Case Height:	-	
Case Length:	2 mm	
Case Width:	1.2 mm	
Class:	Class 1	
Dissipation Factor DF:	-	
Lead Spacing:	0.75 mm	
Operating Temperature Range:	- 55 C to + 125 C	
Package / Case:	0805 (2012 metric)	
Packaging:	Reel	
Series:	C0805C	
Factory Pack Quantity:	4000	
Temperature Coefficient / Code:	+/- 15 %	
Type:	SMD MLCC X7R 6.3 - 250 VDC Commerical Grade	
Voltage Rating AC:	-	
Part # Aliases:	C0805C104K5RAC7800	

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Real Time Availability

Stock: 1,396,313 Can Ship Immediately
On Order: 0
Factory Lead-Time: 13 Weeks

Enter Quantity:

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Multiples: 1

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☒ **Cut Tape**
1: \$0.10
10: \$0.027
100: \$0.019
1,000: \$0.012

☐ **MouseReel™** Reel Service Fee \$7.00
Price will be calculated in cart.

☐ **Full Reels** of 4000

To purchase full reel, order in multiples of 4000:

4,000: \$0.01
8,000: \$0.008
48,000: \$0.007
100,000: \$0.006

Full Reel and Broken Reel Options






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☐ **Reel and MouseReel™**

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	C0805C105K4RACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT	672,765 QuickView
	ERJ-6ENF1002V	Thick Film Resistors - SMD	1,745,796 QuickView
	CRCW0805100RFKEA	Thick Film Resistors - SMD	511,488 QuickView

	RK73H2ATTD1002F	Thick Film Resistors - SMD	1,169,319	QuickView
	CRCW0805100KFKEA	Thick Film Resistors - SMD	352,030	QuickView
	C0805C102K5RACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT	241,978	QuickView
	CRCW08054K70FKEA	Thick Film Resistors - SMD	186,545	QuickView
	CRCW080510K0FKEB	Thick Film Resistors - SMD	150,153	QuickView

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