Capacitors > Ceramic Capacitors (Capacitors) > Ceramic Capacitors (SMD)

Automotive chip monolithic ceramic capacitors

Please read this before using the product.
Notes on counterfeit products

GCM31CR71E475KA40#

"#" is the packaging code.

生産中

パワートレイン | RoHS | REACH | 125℃max | 鉛フリーはんだOK | 高温はんだOK

<List of part numbers with packaging codes>
GCM31CR71E475KA40L　GCM31CR71E475KA40K

Click here for inquiries

20pcs free sample

Agent/Web Trading Company (Inventory Sea

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How to read the part number 〉

Series details 〉

Detailed information

Detailed Spec Sheet 〉
-Rated Value
-Performance and Test Method
-Packaging Method
-Caution and Precautions
(Storage/Mounting/Land Dimension/Washing/Transport etc.)

SnapEDA PCB Symbol, Footprint, 3D Model

SamacSys PCB Symbol, Footprint, 3D Model

Product data

SPICE Netlist (mod format) 〉

Sparameter (S2P format) 〉

Structural drawing 〉

Reliability test data * Representative data 〉

Appearance and shape

spec

There is a small product | Search for products with similar specifications

L dimension	3.2 ± 0.2 mm
W dimension	1.6±0.2 mm
T dimension	1.6±0.2 mm
Capacitance	4.7 μF ±10%
Distance between external electrodes g	1.5mm min.
External electrode size e	0.3 ~ 0.8 mm
Operating temperature limit	-55℃ ~ 125℃
Rated voltage	25Vdc
Size code mm	3216M
Capacitance change rate	±15.0%
Temperature characteristics (compliance standard)	X7R (EIA)
Temperature range of temperature characteristics	-55℃ ~ 125℃

Product Search Assistant We will propose candidate products of the same size or small size with similar specifications

■ Small ■ High capacity ■ high withstand voltage ■ High temperature compatible
■ Emphasis on DC bias characteristics ■ Find a close-capacity silicon capacitor

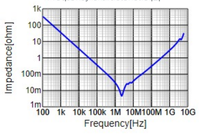
Reference information

Packaging code	specification	Minimum order unit
L	180mm embossed taping	2000
K	330mm embossed taping	6000

Mass (typical value)	
1 piece	52.0 mg
φ180mm reel	144 g

Characteristic data

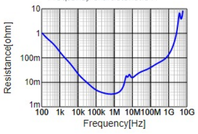
Frequency characteristic [Z]



■GCM31CR71E475KA40,DC0V,25degC

Save image

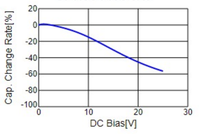
Frequency characteristic R



■GCM31CR71E475KA40,DC0V,25degC

Save image

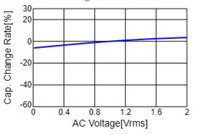
DC bias characteristics



■GCM31CR71E475KA40,capchange, 25.0degC, AC1.0Vrms

Save image

AC voltage characteristics



■GCM31CR71E475KA40,capchange, DC0V, 25.0degC

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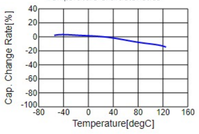
Temperature characteristics



■GCM31CR71E475KA40,capchange,DC0.0V,AC1.0Vrms

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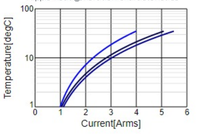
Ripple heat generation characteristics



■GCM31CR71E475KA40,☑100kHz ☑500kHz ☑1MHz)

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(Simsurfing) More detailed graph

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