



Please enter the product number, pro

Product information | Application Guide | Design support tool | support | About Murata | Investor information | my Murata



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Capacitor > Ceramic Capacitor (Capacitor) > Ceramic Capacitor (SMD)

Automotive Chip Multilayer Ceramic Capacitor

Please be sure to read this before using the product.

Precautions regarding counterfeit products

GCM155R71H104KE37

The packaging code is entered in "H".

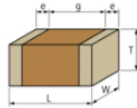
生産中 ?



<List of product numbers with packaging code>

GCM155R71H104KE37J GCM155R71H104KE37W GCM155R71H104KE37D

Appearance and shape



spec

Search for products with similar specifications ?

L dimension	1.0 ± 0.05mm
W dimension	0.5 ± 0.05mm
T dimension	0.5 ± 0.05mm
Capacitance	0.10 μF ± 10%
Distance between external electrodes g	0.3mm min.
External electrode dimensions e	0.15 to 0.35 mm
Operating temperature limit	-55 °C ~ 125 °C
Rated voltage	50Vdc
Size code mm	1005M
Capacitance change rate	± 15.0%
Temperature characteristics (compliant standard)	X7R (EIA)
Temperature range of temperature characteristics	-55 °C ~ 125 °C

Product Search Assistant: We propose candidate products of the same size or smaller size with similar specifications.

- Small size
- High capacity
- High withstand voltage
- High temperature support
- Emphasis on DC bias characteristics
- Find a silicon capacitor with a similar capacity

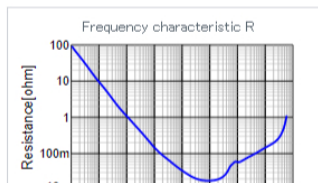
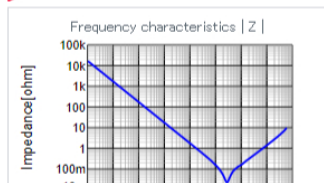
Reference information

Packaging code	specification	Standard packing quantity
J	330mm paper taping	50000
W	180mm paper tape (WBP1)	20000
D	180mm paper taping	10000

Mass (typical value)

1 piece	1.6mg
φ 180mm reel	118g

Characteristic data



[Click here for inquiries ?](#)

20pcs free sample

[Agency / Web trading company \(inventory search\)](#)

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[How to read the product number](#) >

[Series details](#) >

Detailed information

[Detailed spec sheet](#) >

- Rated value
- Performance and test method
- Packaging method
- Caution / Precautions for use (storage / mounting / land dimensions / cleaning / transportation, etc.)

Product data

[SPICE Netlist \(mod format\)](#) >

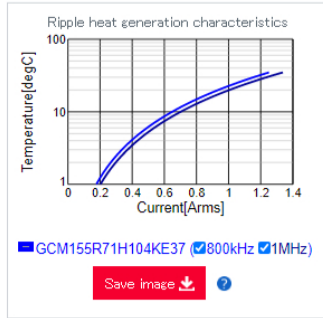
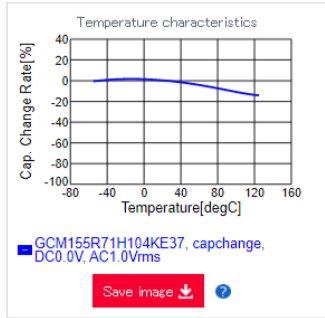
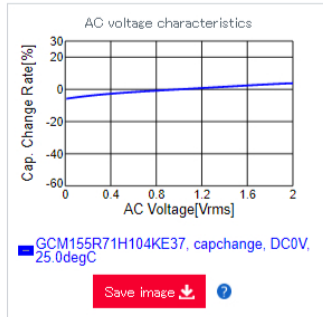
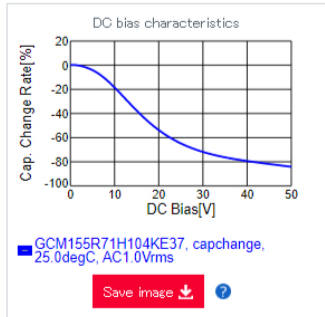
[Sparameter \(S2P format\)](#) >

[Structural drawing](#) >

[Reliability test data * Representative data](#) >

Related information

[Proposal of new packaging](#) >



(SimSurfing) More detailed graph

Product information

Product What's New solution Capacitor (capacitor) Inductor (coil) Noise suppression components / EMI elimination filters / ESD protection devices Resistor Thermistor (temperature sensor) Sensor タイミングデバイス (MEMS振動子/水晶振動子/セラミック発振子/水晶発振器) 水晶応用製品 発音部品(ブザー) 電源関連製品 バッテリー マイクロメカトロ RFID製品 マッチングデバイス バラン カプラ フィルタ フェイズシフタ RFスイッチ Coupler filter Phase shifter RF switch Front end module SAW component connector antenna Communication module Wireless connection platform Ionizer module / Ozonizer module Digital panel meter

Application Guide

AI Speaker & Hearable Smart home Medical / Healthcare Car Mobile communication network lighting Data center Industrial equipment Security & Safety Home appliances computer Office machine AV equipment

Design support tool

Design support software SimSurfing Design support data Design support software download version List of design support tools and compatible products

support

Technical article site Recruitment of co-creation partners Main base information FAQ Library Reference Design Compliant with chemical substance regulations for our products Inventory search Security export control and non-judgment results Precautions for counterfeit Murata products Precautions regarding radio-controlled helicopters

About Murata

Corporate information Murata's robot Newsroom Technology Procurement activities CSR Initiatives To Murata Group employees and retirees Murata Science Promotion Foundation

Investor information

IR calendar IR library Financial and performance information (past 5 years) To individual investors General meeting of shareholders Stock information Stock paperwork Disclosure policy Electronic public notice

European RoHS / REACH compatible

Compatible with California Proposition 65



We will explain the regulatory laws and regulations regarding chemical substances contained in products and our response to them. [view the details](#)

公益財団法人 村田学術振興財団

