

SMD Ceramic Resonator

RAC Series



(Without Built-in Capacitors)

(2 Pads SMD)

Features:

- Low cost.
- Industry standard dimensions.
- Wide frequency range.
- Good stability.
- Tape & Reel.

Dimension:

- RACC: 7.4 x 3.4 x 1.8mm
- RACS: 4.7 x 4.1 x 1.6mm
- RACV: 3.7 x 3.1 x 1.2mm

- RoHs Compliant (Pb Free)

- Exemption according to RoHs Directive 2002/95/EC Annex point 7

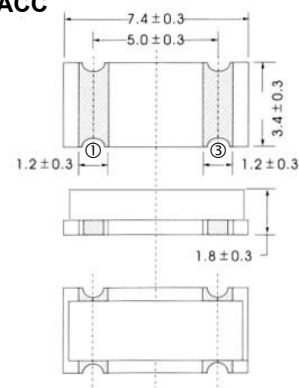


Electrical Specifications:

Part Number *	Frequency Range (MHz)	
RACC_ _ _ MG	1.80 - 8.00	
RACS_ _ _ MT	7.00 - 13.00	
RACV_ _ _ MT	7.00 - 13.00	
RACS_ _ _ MX	13.01 - 50.00	
RACV_ _ _ MX	16.00 - 50.00	
Resonant Resistance (ESR) by Frequency Range	1.80 - 1.99MHz	≤100Ω
	2.00 - 2.99MHz	≤80Ω
	3.00 - 3.49MHz	≤50Ω
	3.50 - 6.99MHz	≤30Ω
	7.00 - 12.99MHz	≤25Ω
Standard C1 = C2 Capacitance Values (±20%)	1.80 - 12.99MHz	30pF
	13.00 - 19.99MHz	30pF
	20.00 - 25.99MHz	15pF
	26.00 - 50.00MHz	5pF
Operating Temperature	- 20°C to 80°C	
Storage Temperature	- 55°C to 85°C	
Frequency Tolerance (at 25°C)	± 0.5% max.	
Frequency Stability (-20°C to 80°C)	± 0.3% max.	
Aging for 10 years	± 0.3% max.	
Withstanding Voltage	100VDC, 5 sec max.	
Insulation Resistance	500MΩ min. at 10VDC	

Dimensions (mm):

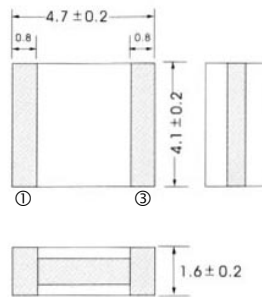
RACC



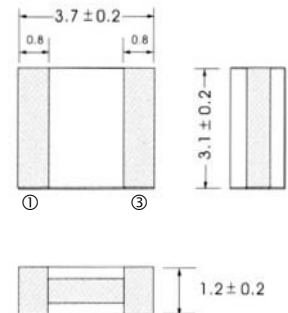
Connection:

- #1: INPUT
- #3: OUTPUT

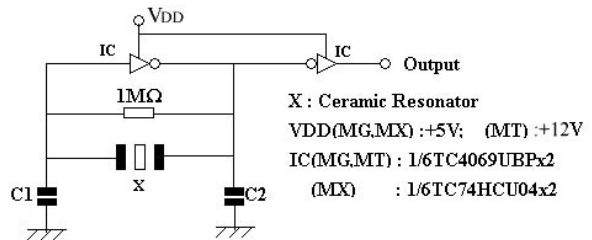
RACS



RACV



Test Circuit:



Part Numbering System:

RACC **25.00** **MG** **TR**
① ② ③ ④

① Series

RACC
RACS
RACV

② Frequency

Frequency
1.80 ~ 50.00

③ Type

Type
MG
MT
MX

④ Packing

Code	Packing
TR	Tape & Reel

Remark: Specifications are subject to change without prior notice. Please confirm with our sales engineer.