

# RFC Series

[ Radio Frequency Capacitor ]



## ◆ Features

- ❑ High Q Value & Low ESL at High Frequency
- ❑ Ultra Stable C0G Performance
- ❑ Ultra Miniature Size (0201&0402)
- ❑ Low Capacitance With Tight Tolerance

## ◆ Application

- ❑ At Radio Frequency
  - Impedance Matching Circuit
  - Resonant Circuit
  - Coupling Circuit
    - ★ RF Modules, VCO, BPF, DUP, PA, etc.
    - ★ Cellular Phone, Bluetooth, Wireless LAN etc.

## ◆ Summary of Specification

Operation Temperature	-55 to +125
Rated Voltage	25Vdc
Temperature Coefficient	C0G < ± 30ppm/ , -55~+125 (EIA Class )
Capacitance Range	0.1pF ~ 15pF
Q Value :	Q 1000 at 1MHz & 500. at 1GHz / 1pF
Insulation Resistance	10G
Dielectric Strength	300% Rated Voltage for 5 second @ 50mA max. current
Tolerance	± 0.05pF to ± 0.1pF, C , J
Aging	0 % per decade of time , Typical

## ◆ How To Order

RFC

0402

G

1R0

B

025

T

Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
RFC: Radio Frequency of MLCC	Ex.: 0201 : 0.6×0.3 mm 0402 : 1.0×0.5 mm	Ex.: G : C0G	Ex.: R10: 0.1pF 5R0: 5.0pF 120: 12×10 <sup>1</sup>	Ex.: L : ±0.050pF A: ±0.075pF B: ±0.10pF C: ±0.25pF J : ± 5.0 %	Ex.: 025:25Vdc	T: Taping & Reel B: Bulk

