



Click [here](#) for the 3D model.

### Dimensions

Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
B	0.25mm +/-0.1mm

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	10000

### General Information

Series	CBR-SMD RF Auto COG
Style	SMD Chip
Description	SMD, Fixed, RF, Ultra High Q, Low ESR, Class I
Features	Ultra High Q, Low ESR, Class I
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Halogen Free	Yes
Typical Component Weight	1.37 mg
Notes	Solder Wave or Solder Reflow.
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	6.8 pF
Capacitance Tolerance	+/-0.25 pF
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MHz 1.0Vrms
Dissipation Factor	0.19% 1MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	10 GOhms
Quality Factor	536