



5.0X3.2X0.8 mm

The BC 34 crystal is an ultra miniature package with size of 5.0X3.2X0.8mm. With its ceramic base and metal cover it provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow. Excellent performance for application in wireless communication.

FEATURES

- Ultra-miniature size
- Industry Standard
- Wide Frequency Range
- Seam weld
- Emboss taping
- Reflow soldering

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo	-	12	-	48	MHz
Frequency Tolerance at 25°	$\Delta F / F_0$	At 25 °C	± 10	± 30	± 50	ppm
Temperature Stability	Tc	REF TO 25°C	± 10	± 30	± 50	ppm
Operating Temperature Range	TOPR	-	-10	-	+70	°C
Storage Temperature Range	TSTG	-	-40	-	+85	°C
Shunt Capacitance	Co	-	-	-	7	pF
Load Capacitance	CL	-	8	-	Series	pF
Insulator Resistance	IR	100 VDC	500	-	-	M Ω
Drive Level	DL	-	10	100	300	μ W
Aging (at 25°C)	Fa	AT 25°C, per year	-5.0	-	+5.0	ppm

Equivalent Series Resistance (ESR) & Mode of Vibration (Mode)

Frequency Range	Max ESR (Ω)	Mode
12.000MHz to 19.999MHz	80	Fundamental
20.000MHz to 29.999MHz	70	Fundamental
30.000MHz to 48.000MHz	50	Fundamental

Mechanical Dimensions (mm)

	<p>Top View</p>
	<p>Recommended Solder Pattern</p>

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