



5.0X3.2X1.2 mm

The BC 35 crystal is an ultra-miniature ceramic package SMD type. The height is less than 1.4mm and fundamental till 54MHz that allows ease of circuit design. Excellent electric performance optimum for OA and AV application.

FEATURES

- Ultra-miniature size
- Fundamental till 54MHz
- Wide Frequency Range
- Ceramic package
- Emboss taping
- Reflow soldering

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo	-	12	-	54	MHz
Frequency Tolerance at 25°	$\Delta F / F_0$	At 25 °C	± 30	± 50	± 100	ppm
Temperature Stability	Tc	REF TO 25°C	± 30	± 50	± 100	ppm
Operating Temperature Range	TOPR	-	-10	-	+70	°C
Storage Temperature Range	TSTG	-	-40	-	+85	°C
Shunt Capacitance	Co	-	-	-	7	pF
Load Capacitance	CL	Customer Specified	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 54.000MHz	50	Fundamental

Mechanical Dimensions (mm)

	<p>Recommended Solder Pattern</p>

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