

Features:

- 4.0 MHz to 14.0 MHz Important Low Frequency Range
- Compact Size SMD Ceramic Package (7x5x1.3 mm)
- Excellent Solderability
- **RoHS Compliant**
- Extended Temperature Range Available
- Industry Standard Footprint
- AT-cut Crystal, High Precision
- Vacuum Sealed with Excellent Aging

ELECTRICAL SPECIFICATIONS

Frequency Range	4.0 MHz to 14.0 MHz
Resonance Mode	Fundamental
Calibration Tolerance @ 25°C	± 50ppm, ± 30ppm, ± 20ppm, ± 15ppm, ± 10ppm
Frequency Stability Ref @ 25°C	± 50ppm, ± 30ppm, ± 10ppm, ± 5ppm
Temperature Range	0-70°C, -10+60°C, -20+70°C, -40+85°C,
Crystal Aging	± 5ppm / Year Maximum
Storage Temperature	-40+85°C
Shunt Capacitance	< 5.0pF
Load Capacitance	7pF to 32pF (18pF Load Standard) or Series Resonant
Drive Level	0.1mW Maximum

Equivalent Series Resistance (Maximum)

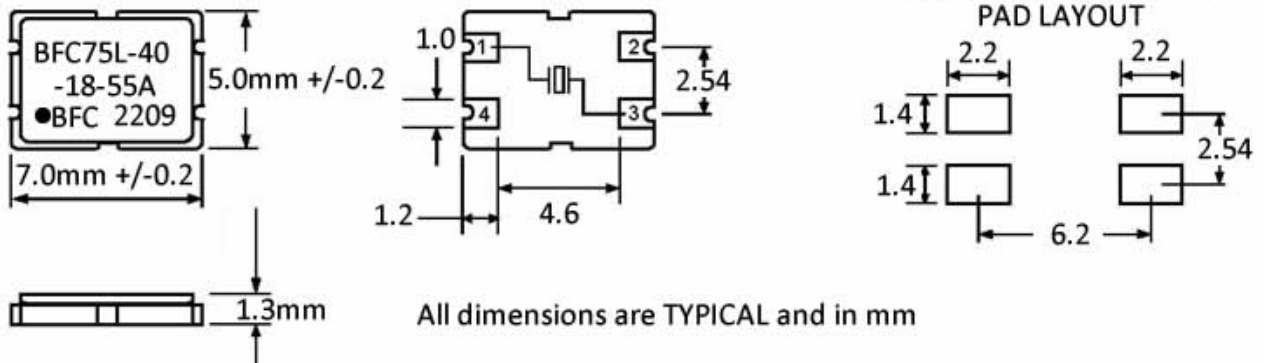
Frequency Range	ESR (Ohms)	Mode	Frequency Range	ESR (Ohms)	Mode
4.0 to 4.999 MHz	200.0	Fundamental	7.0 to 8.999 MHz	100.0	Fundamental
5.0 to 5.999 MHz	150.0	Fundamental	9.0 to 12.999 MHz	80.0	Fundamental
6.0 to 6.999 MHz	120.0	Fundamental	13.0 to 15.0MHz	5.0	Fundamental

Part Numbering System

Model	Frequency	Load (Cl)	Tolerance @ 25°C	Stability Over Temp. Range	Operate Temp.
BFC75L	143= 14.31818	S = Series	5 = ± 50ppm	5 = ± 50ppm	A = 0-70°C
		10pF-32pF	3 = ± 30ppm	3 = ± 30ppm	B = -10+60°C
			2 = ± 20ppm	1 = ± 10ppm	C = -20+70°C
			6 = ± 15ppm	4 = ± 5ppm	D = -40+85°C
			1 = ± 10ppm		

[Click Here for Standard Crystal Frequencies Abbreviations Page](#)

BFC75L SERIES MECHANICAL DRAWING



All dimensions are TYPICAL and in mm