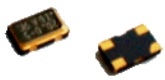
BFC75 CRYSTAL SERIES

7 X 5 X 1.3MM SMD CERAMIC PACKAGE



Features:

- 8 MHz to 150 MHz Frequency Range
- Compact Size SMD Ceramic Package (7x5x1.3 mm)
- Excellent Solderability
- RoHS Compliant (Pb Free)
- Extended Temperature Range Available
- Industry Standard Footprint
- AT-cut Crystal, High Precision
- Excellent Aging

ELECTRICAL SPECIFICATIONS	
Frequency Range	8.0 MHz to 150.0 MHz
Resonance Mode	Fundamental (8.0-50 MHz), 3rd OT (30 – 90 MHz), 5th OT (70 – 150 MHz)
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	< 7.0pF
Load Capacitance	10pF to 32pF (18pF Load Standard) or Series Resonant
Drive Level	0.1mW Maximum

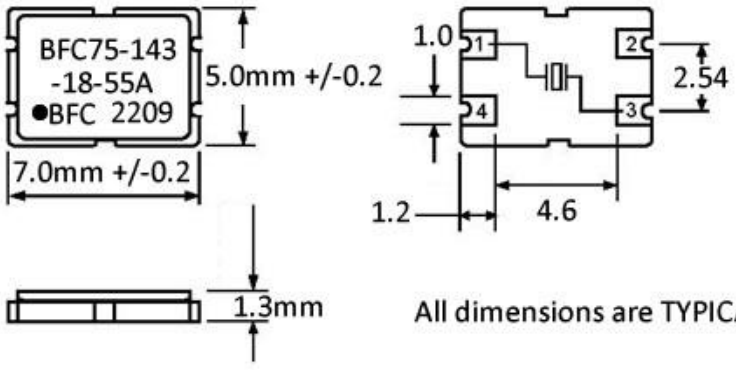
Equivalent Series Resistance (Maximum)

Frequency Range	ESR (Ohms)	Mode	Frequency Range	ESR (Ohms)	Mode
8.0 to 9.999 MHz	80.0	Fundamental	20.0 to 50.0 MHz	30.0	Fundamental
10.0 to 15.999 MHz	60.0	Fundamental	30.0 to 90.0 MHz	60.0	3rd OT
16.0 to 19.999 MHz	40.0	Fundamental	70.0 to 150.0MHz	100.0	5th OT

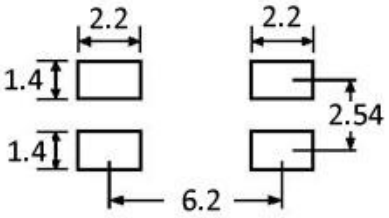
Part Numbering System

Model	Frequency	Load (Cl)	Tolerance @ 25°C	Stability Over Temp. Range	Operate Temp.
BFC75	143= 14.31818	S = Series	5 = ± 50ppm	5 = ± 50ppm	A = 0-70°C
Click Here for Standard Crystal Frequencies Abbreviations Page		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		

BFC75 SERIES MECHANICAL DRAWING



RECOMENDED SOLDER PAD LAYOUT



All dimensions are TYPICAL and in mm