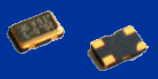
BFC42 CERAMIC SMD CRYSTAL SERIES

4.0 x 2.5mm WITH 0.8mm PACKAGE



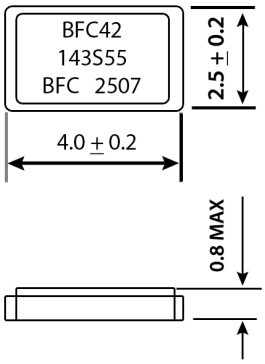
Features:

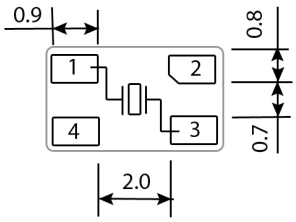
- 13.0 to 32.0 MHz Frequency Range
- AT – Cut Crystal
- SMD Ceramic Package
- RoHS Compliant
- Extended Temperature Ranges Available
- Industry Standard Footprint
- Ultra Miniature (4.0 x 2.5mm with 0.8mm Height Max.)
- High Precision and Excellent Aging and Solderability

ELECTRICAL SPECIFICATIONS	
Frequency Range	13.0 to 32.0 Mhz
Resonance Mode	Fundamental
Calibration Tolerance @ 25°C	± 50ppm, ± 30ppm, ± 20ppm, ± 10ppm
Frequency Tolerance Ref @ 25°C	± 50ppm, ± 25ppm, ± 10ppm, ± 5ppm
Temperature Range	0-70°C, -10+60°C, -20+70°C, -40+85°C
Crystal Aging	± 1ppm / year Maximum
Storage Temperature	-40+85°C
Shunt Capacitance	1.2pF Typical
Load Capacitance (CL)	9pF (Standard), 12pF, 16pF, others, or Series Resonant
Drive Level	0.1 mW Maximum

Maximum Equivalent Series Resistance					
Frequency Range	ESR (Ohms)	Mode	Frequency Range	ESR (Ohms)	Mode
13.0 to 15.999 MHz	80.0	Fundamental	26.0 to 32.0 MHz	40	Fundamental
16.0 to 26.000 MHz	45.0	Fundamental			

Part Numbering System					
Model	Frequency	Load (Cl)	Tolerance @ 25°C	Stability over Temp. Range	Operate Temp.
BFC 42	143 = 14.31818	S = Series	5 = ± 50ppm	5 = ± 50ppm	A = 0-70°C
Click Here for Standard Crystal Frequencies Abbreviations PgC17		9pF-32pF	3 = ± 30ppm	8 = ± 25ppm	B = -10+60°C
			2 = ± 20ppm	4 = ± 5ppm	C = -20+70°C
			6 = ± 15ppm		D = -40+85°C
			1 = ± 10 ppm		





Mechanical Dimensions In mm

Recommended Solder Pad Layout