

B506 SMD CRYSTAL SERIES

SMD PLASTIC J-LEAD PACKAGE



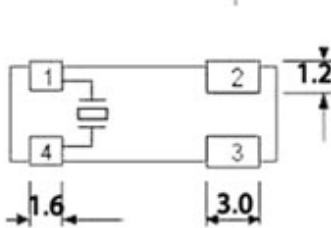
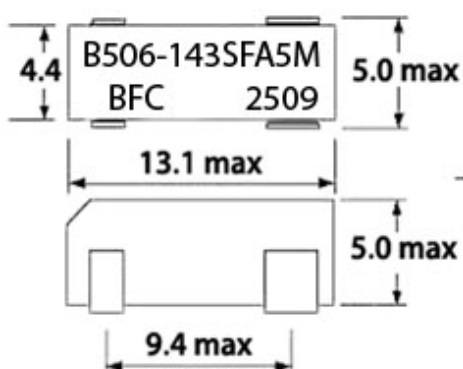
Features:

- 3.579545 MHz – 90.0 MHz Frequency Range
- AT-Cut Crystal
- SMD Thermoplastic Package
- Surface Mount Lead Forming
- **RoHS Compliant**
- Extended Temperature Ranges Available
- Industry Standard Footprint
- Suited for Solder Reflow
- Excellent For High Density Circuit Boards

ELECTRICAL SPECIFICATIONS	
Frequency Range	3.579545 – 90.0 MHz
Resonance Mode	Fundamental and 3 rd Overtone (See Equivalent Series Resistance Table)
Calibration Tolerance @ 25°C	± 50ppm Max.
Frequency Stability Ref @ 25°C	± 50ppm Max.
Temperature Range	-40 to 85°C, -10 to +70°C
Crystal Aging	± 3ppm / Year Maximum
Storage Temperature	-55°C to +125°C
Shunt Capacitance	< 1.0pf
Load Capacitance (CL)	10pF to 32pF (12.5pF Load Standard) or Series Resonant
Drive Level	0.001mW Maximum

Equivalent Series Resistance					
Frequency Range	ESR (Ohms)	Mode	Frequency Range	ESR (Ohms)	Mode
3.579545 to 3.999 MHz	200	Fundamental	9.0 to 9.999 MHz	60	Fundamental
4.0 to 4.499 MHz	150	Fundamental	10.0 to 12.999 MHz	50	Fundamental
4.5 to 4.999 MHz	120	Fundamental	13.0 to 18.999 MHz	35	Fundamental
5.0 to 5.999 MHz	100	Fundamental	19.0 to 40.000 MHz	25	Fundamental
6.0 to 8.999 MHz	80	Fundamental	30.0 to 90.000 MHz	60	3 rd Overtone

Part Numbering System						
Model	Frequency	Load (Cl)	Resonance Mode	Tolerance @ 25°C	Stability over Temperature Range	Operate Temp.
B506	Frequency Abbr.	S = Series	F = Fundamental	A = ± 50ppm	5 = ± 50ppm	G = -10 to +70°C
Click Here for Standard Crystal Frequencies Abbreviations PgC17		10pF - 32pF	3 = 3 rd Overtone			M = -40 to +85°C
		Blank = 12.5pF				



Mechanical Dimensions In mm

