



6.0X3.5X1.0 mm

The 6SB/6SA crystal is an ultra miniature package with size of 6.0 3.5 1.0mm. With its ceramic Base and metal cover it provides the durability and reliability necessary for strenuous process like infrared and vapor phase reflow.

FEATURES

- Ultra-miniature size
- Fundamental till 40MHz
- Wide Frequency Range
- Seam sealing
- Ceramic package
- Emboss taping
- Reflow soldering

Parameter	Symb	Condition	Min	Typ	Max	Units
Frequency Range	Fo	-	10.000	-	80.000	MHz
Frequency Tolerance at 25°	$\Delta F / F_o$	At 25 °C	± 10	± 30	± 50	ppm
Temperature Stability	Tc	REF TO 25°C	± 10	± 30	± 50	ppm
Operating Temperature Range	TOPR	-	-10*	-	+60*	°C
Storage Temperature Range	TSTG	-	-40	-	+85	°C
Shunt Capacitance	Co	-	-	-	7	pF
Load Capacitance	CL	Customer Specified	10	-	Series	pF
Insulator Resistance	IR	100 VDC	500	-	-	M Ω
Drive Level	DL	-	-	10	100	μW
Aging (at 25°C)	Fa	AT 25°C, per year	-5.0	-	+5.0	ppm

Operating temperature range: -20°C to +70°C option

Equivalent Series Resistance (ESR) & Mode of Vibration (Mode)

Frequency Range	Max ESR (Ω)	Mode
10.000MHz to 10.999MHz	100	Fundamental
11.000MHz to 11.999MHz	80	Fundamental
12.000MHz to 15.999MHz	60	Fundamental
16.000MHz to 39.999MHz	40	Fundamental
40.000MHz to 80.000MHz	70	3rd Overtone

Mechanical Dimensions (mm)

6SB	6SA
<p>Note: Pin#2 and #4 are connected through cover, in case connected to GND. frequency might be drifted.</p>	

To Order:

Phone: (800)526-3935

Fax: (800)777-2197

E Mail: sales@bomarcystal.com