

BQH series Quartz CRYSTALS

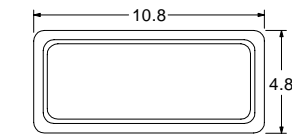
LOW PROFILE, SURFACE MOUNT TYPE (SMD)



- Surface mount package
- Gold Plated Lid/Ceramic Base
- Resistance Welded
- Hermetically Sealed

ELECTRICAL SPECIFICATIONS

Frequency Range (Mode of Oscillation)	3.57 ~ 32.0 MHz (AT-cut Fundamental) 27.0 ~ 70.0 MHz (AT-cut 3rd Overtone) 29.4912 ~ 40.0 MHz (BT-cut Fundamental)
Operating Temperature Range	-10°C to +70°C (std)
Frequency Tolerance	±20, ±30, ±50ppm AT-cut: ±30ppm AT-cut: ±50ppm (std) BT-cut: ±100ppm
Frequency Stability vs Temp.	
Aging @25°C	<±5ppm/year max.
Load Capacitance	10 to 32pF
Drive Level	.05mW max.
Shunt Capacitance	7.0pF max.
Reflow Soldering Condition	10 seconds max. @+260°C
Storage Temperature	-30 to +85°C



EQUIVALENT SERIES RESISTANCE

Frequency Range	ESR (Ω)
3.5 ~ 3.9 MHz	200 Ω max
4.0 ~ 4.9 MHz	150 Ω max
5.0 ~ 5.9 MHz	120 Ω max
6.0 ~ 6.9 MHz	100 Ω max
7.0 ~ 9.9 MHz	80 Ω max
10.0 ~ 13.9 MHz	60 Ω max
14.0 ~ 19.9 MHz	50 Ω max
20.0 ~ 40.0 MHz	40 Ω max

