

BQK series Quartz CRYSTALS

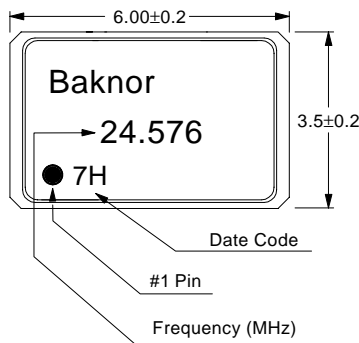
LOW PROFILE, SURFACE MOUNT TYPE (SMD)



- 1.0mm height
- Ultra compact
- Hermetically Sealed
- Ideal for PDA's, and PCMCIA cards

ELECTRICAL SPECIFICATIONS

Frequency Range	12.0 to 179.99 MHz
Operating Temp. Range	-10°C to +60°C, -20°C to +70°C
Frequency Tolerance @25°C	±10, ±15, ±20, ±30, ±50
Frequency Stability	±5, ±10, ±15, ±20, ±30, ±50
Aging @25°C	±5ppm/year
Load Capacitance	10 to 32pF
Drive Level	100mW max.
Shunt Capacitance	7.0pF max.
Storage Temperature	-30°C to +80°C



EQUIVALENT SERIES RESISTANCE & MODE

Frequency Range	ESR (Ω)	Mode
12.00 ~ 13.9 MHz	60 Ω max	Fundamental
14.00 ~ 15.9 MHz	40 Ω max	Fundamental
16.0 ~ 64.9 MHz	30 Ω max	Fundamental
35.0 ~ 39.9 MHz	100 Ω max	3rd Overtone
40.0 ~ 49.9 MHz	60 Ω max	3rd Overtone
50.0 ~ 150.0 MHz	50 Ω max	3rd Overtone
90.0 ~ 179.0 MHz	100 Ω max	5th Overtone

