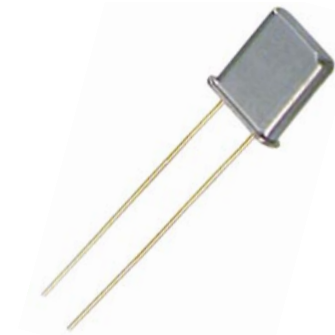


BQ (M,O) series Quartz CRYSTALS



AT-cut, Thru-hole, UM-1 & UM-5 Style Holders

- Miniature and compact
- Available in 2 different heights, 8.1mm (BQM) & 6.0mm (BQO)
- Wide frequency range
- Small footprint

ELECTRICAL SPECIFICATIONS

Series	BQM (UM-1)	BQO (UM-5)
Frequency	1.8 ~ 160 MHz	10 ~ 200 MHz
Frequency Tol. @ 25°C	±10, ±15, ±20, ±30, ±50 ppm	
Freq. Stab. Vs Temp. Range	±10, ±15, ±20, ±30, ±50 ppm	
Op. Temp. Range	-20°C ~ +70°C (std)	
Load Capacitance	Series, 16pF, 20pF, 30pF	
Shunt Capacitance	7.0pF max.	
Drive Level	10 ~ 2000uW	

EQUIVALENT SERIES RESISTANCE & MODE

BQM (UM-1)		
Frequency Range	ESR (Ω)	Mode
7 ~ 9.9 MHz	80 Ω max	Fundamental
10 ~ 15.9 MHz	80 Ω max	Fundamental
16 ~ 45.9 MHz	30 Ω max	Fundamental
30 ~ 120 MHz	30 Ω max	3rd Overtone
120 ~ 200 MHz	100 Ω max	5th Overtone

BQO (UM-5)		
Frequency Range	ESR (Ω)	Mode
10 ~ 14.9 MHz	60 Ω max	Fundamental
15 ~ 29.9 MHz	50 Ω max	Fundamental
30 ~ 120 MHz	80 Ω max	3rd Overtone
80 ~ 200 MHz	120 Ω max	5th Overtone

