



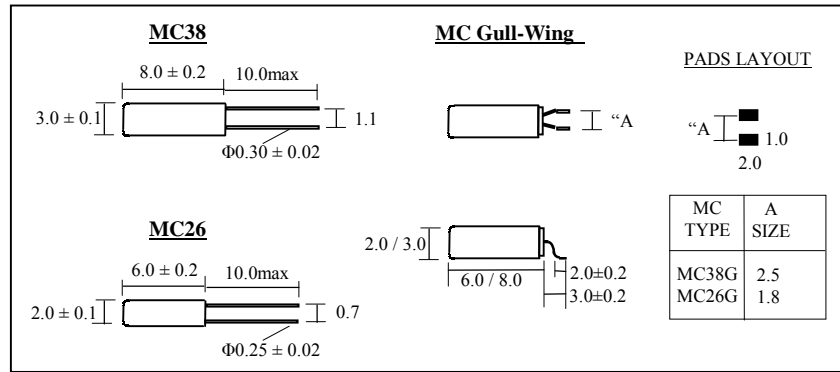
**MC38, MC26, MC38G & MC26G Series**  
**Miniature Cylinder Thru-Hole & SMD Crystals**

- FEATURES**
- . Miniature Low-Profile Cylinder Crystal
  - . 32.768KHz Frequency (Real Time Clock)
  - . Excellent Shock Resistance & Solderability

**SPECIFICATIONS** (subject to change w/o notice)

Parameters	MC38	MC26
Frequency	32.768KHz	32.768KHz
Frequency Tolerance	±20/30/50ppm @ 25°C ±5°C	±20/30/50ppm @ 25°C ±5°C
Frequency Stability	-0.034ppm ± 0.006ppm/°C <sup>2</sup> Parabola (ref. 25°C)	-0.034ppm ± 0.006ppm/°C <sup>2</sup> Parabola (ref. 25°C)
Peak Frequency Temp.	25 ± 5°C	25 ± 5°C
Operating Temp.	-10°C~+60°C ~ -20°C~+70°C Standard	-10°C~+60°C ~ -20°C~+70°C Standard
Storage Temp.	-40°C~+85°C	-40°C~+85°C
Load Capacitance	6 ~ 32pF (12.5pF std) or Series	6 ~ 32pF (12.5pF std) or Series
Shunt Capacitance	1.5pF	1.5pF
Motional Capacitance	0.003pF	0.003pF
Drive Level	1.0μW	1.0μW
Series Resistance	35KΩ max	40KΩ max
Aging (25°C)	±3ppm max/year	±3ppm max/year
Insulation Resistance	500MΩ min @ 100VDC	500MΩ min @ 100VDC

**OUTLINE**  
(mm) not to scale



**PART NUMBERING**

Model	Frequency (KHz)	Load Capacitance	Tolerance	Packaging
MC38 MC26 MC38G MC26G	32.768	pF Value	5: 50ppm 4: 30ppm 3: 20ppm 2: NA 1: NA	Blank: Bulk R: Tape & Reel
<b>Example:</b> MC38-32.768-12.5-5				