QUARTZ CRYSTALS

Crystal type	Package type	Frequency range (overtone)	Frequency tolerance, $*10^{-6}$	Motional resistance, Ohm
QR-MV-379	HC-49	420….550 kHz (1)	±30	< 3000
QR-MV-379	HC-49, HC49-SMD	4000… 45000 kHz (1) 20 …90 MHz (3) 60 …200 MHz (5)	±5…±30	20…100
	HC-52, HC52-SMD	5000 …45000 kHz (1) 20…140 MHz (3) 60 ...200 MHz (5)	±5…±30	30…150
	HC-33	750…8000 kHz (1)	±10…±20	30…600
		1000…8000 kHz (1)		
QR-MV-432	HC-49/S	10000…25000 kHz (1)	±15…±50	< 25

Standard frequency stability versus temperature changes

Temperature range, °C		*Frequency stability × 10^{-6}*									
		±3	***±5***	***±7,5***	***±10***	***±15***	***±20***	***±25***	***±30***	***±40***	***±50***
		I	***K***	***L***	***M***	***N***	***P***	***R***	***S***	***T***	***U***
A	***-10…+60***	*A*	*A*	*A*	*A*	*A*	*A*	*A*	*A*	*A*	*A*
B	***-30…+60***	*NA*	*NA*	*C*	*A*	*A*	*A*	*A*	*A*	*A*	*A*
C	***-40…+70***	*NA*	*NA*	*NA*	*C*	*A*	*A*	*A*	*A*	*A*	*A*
D	***-60…+85***	*NA*	*NA*	*NA*	*NA*	*NA*	*A*	*A*	*A*	*A*	*A*

A - available, NA - not available, C - consult factory

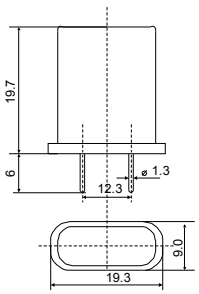
Frequency tolerance accuracy

Frequency accuracy, $*10^{-6}$	± 0,5	± 1	± 3	± 5	± 10	± 15	± 20	± 30	± 50	± 75	± 100
Designation	1	2	3	4	5	6	7	8	9	10	11

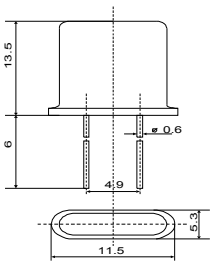
Ordering guide: QR-MV-379-HC-52-5AI-38.4625M, where

QRMV-379 - crystal type;
HC-52 - package type (HC-49, HC-52, HC-33);
5 - designation of frequency accuracy;
A - temperature range;
I - frequency stability.

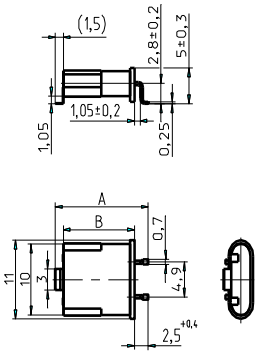
Drawings of packages of the crystal units



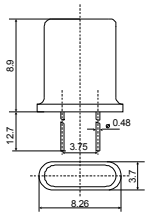
"HC-33"



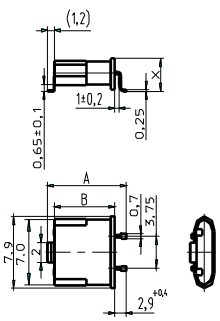
" HC-49"



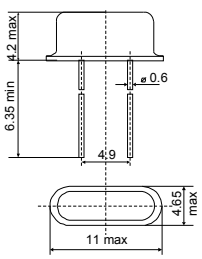
"HC-49-SMD"



"HC-52"



"HC-52-SMD"



"HC-49/S"

Status: April 2008