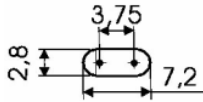
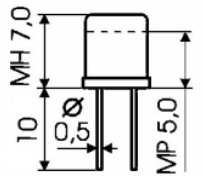
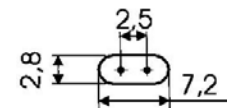
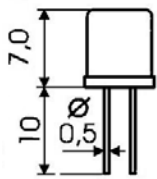


Quartz Crystal **RK418** industry



Metal package  
MN and MR  
solder-dipped leads

Pic. 1



Metal package  
MM  
Solder-dipped leads

Pic. 2

Frequency range, MHz	Operating mode	Series resistance max, Ω	Frequency tolerance, ppm
4...6 (MN,MM)	Fundamental	200	± 5 (class 4); ± 10 (class 5); ± 15 (class 6); ± 20 (class 7); ± 30 (class 8)
6...9	Fundamental	60	
9...17	Fundamental	40	
17...45	Fundamental	25	
30...105	3	50	
75...165	5	70	

Package Pic. 1, 2

Mechanical characteristics
<ul style="list-style-type: none"> <li>- Vibration 1 ... 500 Hz, 10g</li> <li>- Mechanical shock of single action 150g</li> <li>- Mechanical shock of repeated action 40g</li> <li>- Linear acceleration 100g</li> </ul>
Frequency stability versus influences in limiting modes: $\leq \pm 10,0 \times 10^{-6}$

Aging
Frequency stability after: 50 000 hrs of continuous operation $\pm 10,0$ ppm
Frequency stability after: 25 years of storage $\leq \pm 10,0$ ppm for the first year $\leq \pm 5,0$ ppm

Temperature range, °C	Frequency stability max, ppm (class)										
	(Zh) ± 2.5	(I) ± 3.0	(K) ± 5.0	(L) ± 7.5	(M) ± 10.0	(N) ± 15.0	(P) ± 20.0	(R) ± 25.0	(S) ± 30.0	(T) ± 40.0	(U) ± 50.0
0...+45 (L)	*	*	*	*	*	*	*	*	*	*	*
0...+50 (M)	*	*	*	*	*	*	*	*	*	*	*
-10...+60 (A)		*	*	*	*	*	*	*	*	*	*
-25...+55 (R)			*	*	*	*	*	*	*	*	*
-30...+60 (B)				*	*	*	*	*	*	*	*
-40...+70 (V)					*	*	*	*	*	*	*
-40...+55 (V1)					*	*	*	*	*	*	*
-60...+85 (D)						*	*	*	*	*	*

**Ordering Information:**

Product name (RK418) + Class frequency tolerance (6) + Class temperature range (A) + Class frequency stability (P) + Frequency (fundamental mode - kHz, 3rd & 5th overtone - MHz) + K (kHz) or M (MHz)/

**e.g.: Crystal RK418MM-6AP-12797,5K**

Frequency versus temperature characteristic

