

Quartz Crystal RK 168 industry

Frequency stability versus temperature range				
Frequency range, kHz	Temperature range °C, (Class)	Frequency stability max, ppm		
		(H) ± 100	(Ts) ± 150	(Sh) ± 300
50...750	-10...+60 (A)	*		
	-40...+70 (V)		*	
	-60...+85 (D)			*
	-60...+100 (E)			*
				*

Frequency range, kHz	Operating mode	Series resistance max, Ω	Frequency tolerance, ppm	Package height, mm
50...65	Fundam.	9	± 20 (class 7) ± 30 (class 8)	34 (UE)
65...90	Fundam.	9		28 (UD)
90...150	Fundam.	9		25 (UG)
150...220	Fundam.	9		22 (UV)
220...550	Fundam.	3		28 (UD)
550...750	Fundam.	3		25 (UG)

Package Pic. 1

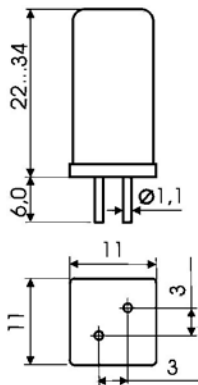


Fig. 1
Metal package

Mechanical characteristics
<ul style="list-style-type: none"> - Vibration 1... 500 Hz, 10g - Mechanical shock of single action, 150g - Mechanical shock of repeated action, 40g - Acoustic noise 50...10000 Hz, 140 dB - Linear acceleration 50g
Frequency stability versus influences in limiting modes $\leq \pm 50$ ppm

Aging
Frequency stability after: 20 000 hrs of continuous operation $\leq \pm 75$ ppm
Frequency stability after: 15 years of storage $\leq \pm 75$ ppm first year $\leq \pm 30$ ppm

Ordering Information:

Product name (RK168) +Class frequency tolerance (8) +Class temperature range (A) +Class frequency stability (H) + Frequency (fundamental mode - kHz, 3rd & 5th overtone – MHz)+ K (kHz) or M (MHz)

e.g.: Crystal RK 168-8AH-500K

Frequency versus temperature characteristic

