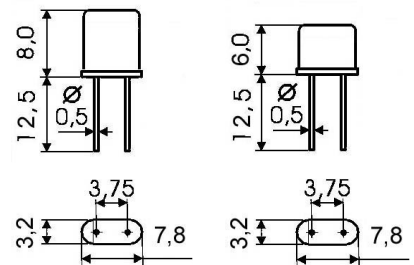
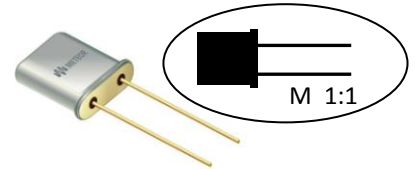
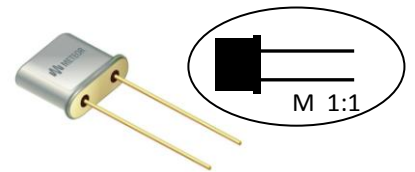


Electrical Performance

Parameter	Units	Value	
		UM1	UM5
Frequency range (Operating mode):			
- Fundamental	MHz	3.2...7.0	7.0...45.0
- 3	MHz	-	30...105
- 5	MHz	-	75...165
Frequency tolerance	ppm	±5,0 (4); ±10 (5); ±15 (6); ±20 (7); ±30 (8); ±50 (9)	
Unwanted resonance attenuation in the frequency band ±500 kHz to the main one	dB	6	
Load capacitance	pF	from 12 to 100	
Series resistance:			
from 3.2 to 5.0 MHz	Om	200	-
ov. 5.0 to 7.0 MHz	Om	120	-
from 7.0 to 10.0 MHz	Om	-	60
ov. 10.0 to 17.0 MHz	Om	-	40
ov. 17.0 to 45.0 MHz	Om	-	25
ov. 30.0 to 105.0 MHz	Om	-	50
ov. 70.0 to 165.0 MHz	Om	-	70



RK440UM1 RK440UM5
Metal package Plating:
Ni+Au(0,1 μm)

Frequency Stability (Over Operating Temperature range)

Temperature range, °C (code)	Stability, ppm (code)											
	±2.5 (J)	±3.0 (I)	±5.0 (K)	±7.5 (L)	±10 (M)	±15 (N)	±20 (P)	±25 (R)	±30 (S)	±40 (T)	±50 (U)	±100 (H)
0...+45 (L)	+	+	+	+	+	+	+	+	+	+	+	+
0...+50 (M)	+	+	+	+	+	+	+	+	+	+	+	+
-10...+60 (A)		+	+	+	+	+	+	+	+	+	+	+
-25...+55 (R)				+	+	+	+	+	+	+	+	+
-30...+60 (B)					+	+	+	+	+	+	+	+
-40...+55 (V1)					+	+	+	+	+	+	+	+
-40...+70 (V)						+	+	+	+	+	+	+
-50...+80 (G2)							+	+	+	+	+	+
-60...+85 (D)								+	+	+	+	+

Environmental

- Vibrations 1...500 Hz, 10g
- Mechanical shock of single action 150g, of repeated action 40g
- Linear acceleration 100g Frequency stability after influence in limiting modes ≤10.0ppm

Long Term Frequency Stability

Frequency stability after:
50000 hrs of continuous operation ≤10.0ppm;
25 years of storage ≤10.0ppm

Ordering Information

 Quartz Resonator **RK440-UM5-5BR-30M-12**
