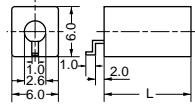
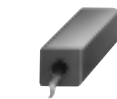
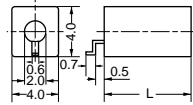


Dielectric Resonators (RESOMICS®)

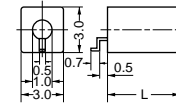
TEM Mode Resonators



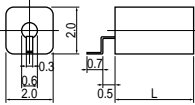
DRR060 Type
Copper



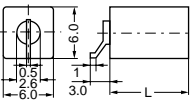
DRR040 Type
Copper



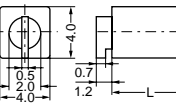
DRR030 Type
Copper



DRR020 Type
Copper



DRR060 Type
Silver



DRR040 Type
Silver

L : Depends on frequency.
in mm

● Available Range of TEM Mode Resonators

Electrode	Material	ϵ_r	$\tau f^{(1)}$ (ppm/°C)	Type	Characteristic Impedance	Resonant Wave Length	Frequency Range ²⁾ (MHz)	Qu min ³⁾	
Copper	P	21.4±0.2	4±2	DRR060	11.9Ω	$\lambda/4$	1,000 to 1,190	550	
							1,200 to 1,790	600	
							1,800 to 2,700	650	
							2,000 to 2,490	800	
							2,500 to 3,000	850	
				DRR040	10.0Ω	$\lambda/4$	1,300 to 1,490	350	
							1,500 to 1,990	400	
							2,000 to 3,000	450	
							$\lambda/2$	2,500 to 3,000	550
								DRR030	15.4Ω
	K	92±1	3±2	DRR060	5.7Ω	$\lambda/4$	440 to 490	330	
							500 to 790	350	
							800 to 1,300	400	
							$\lambda/2$	1,000 to 1,690	470
								1,700 to 2,200	510
				DRR040	4.8Ω	$\lambda/4$	500 to 540	200	
							550 to 640	220	
							650 to 790	240	
							800 to 890	260	
							900 to 1,490	270	
DRR030	7.4Ω	$\lambda/4$	1,500 to 1,800	290					
			$\lambda/2$	1,000 to 1,390	300				
				1,400 to 1,890	340				
			1,900 to 3,000	370					
			DRR020	8.0Ω	$\lambda/4$	900 to 1,490	230		
1,500 to 1,600	250								
900 to 1,590	150								
							1,600 to 2,600	190	

Continued on the following page.

△Note • This catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specification or transact the approval sheet for product specification before ordering. Especially, please read rating and **△CAUTION** (for storage and operating, rating, soldering and mounting, handling) in them to prevent smoking and/or burning, etc.
• You are able to read a detailed specification in the website (<http://search.murata.co.jp/>) before to require our product specification or to transact the approval sheet for product specification.

Continued from the preceding page.

Electrode	Material	ϵ_r	$\tau_f^{(1)}$ (ppm/°C)	Type	Characteristic Impedance	Resonant Wave Length	Frequency Range ²⁾ (MHz)	Qu min ³⁾
Silver	U	38±1	3±2	DRR060	8.8Ω	λ/4	680 to 1,540	450
						λ/2	1,550 to 1,800	550
						λ/2	1,600 to 2,390	700
				DRR040	7.4Ω	λ/4	2,400 to 3,500	800
						λ/4	1,000 to 1,990	360
						λ/2	2,000 to 2,700	400
	K	92±1	3±2	DRR060	5.7Ω	λ/4	2,000 to 2,990	480
						λ/2	3,000 to 4,800	520
						λ/4	440 to 790	350
				DRR040	4.8Ω	λ/4	800 to 1,300	400
						λ/2	1,000 to 1,690	500
						λ/2	1,700 to 2,200	560
λ/4	660 to 1,190	250						
λ/2	1,200 to 1,650	280						
λ/2	1,300 to 1,990	320						
λ/2	2,000 to 3,000	350						

1) Frequency temperature coefficient.

2) Tolerance of resonant frequency (P : ±0.7%max., U : ±0.5%max., K : ±0.7%max.).

3) Qu value depends on lower limit of frequency range.

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