

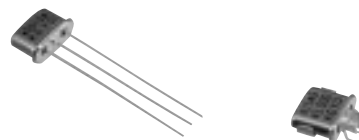


Monolithic Crystal Filters

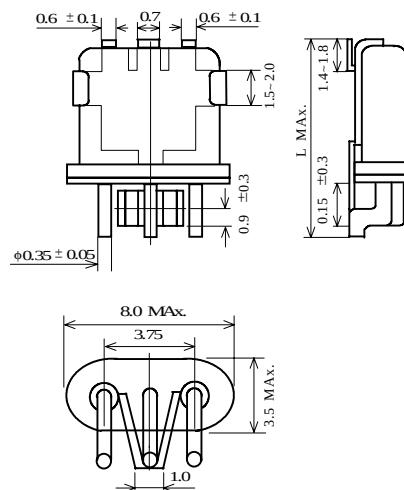
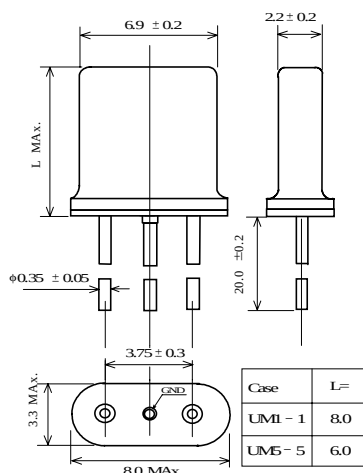
UM Type

■ Features

- Applicable for 45MHz ~ 70MHz
- SMT and auto-mount compatible
- Good group delay characteristics



■ Dimensions (Unit: mm)



UM5 - J

■ Specifications

Model	Nominal Frequency (MHz)	Pole	Pass Band		Ripple (dB)	Loss (dB)	Stop Band		Guaranteed Attenuation		Terminating Impedance (kΩ/pF)
			(dB)	(kHz)			(dB)	(kHz)	(dB)	(F0 ± kHz)	
45R7.5A	45.000	2	3	± 3.75	1.0	2.5	18	± 18.0	40	+ 900 ~ + 920	0.35 kΩ//10.5 pF
45M7.5A									70	- 900 ~ - 920	
45R7.5B	45.000	4	3	± 3.75	1.0	4.0	30	± 1.25	65	+ 350 ~ + 1000	0.35 kΩ//6.5 pF
45M7.5B									80	- 200 ~ - 1000	
45R15A	45.000	2	3	± 7.5	1.0	2.0	18	± 28.0	35	+ 900 ~ + 920	0.65 kΩ//5.0 pF
45M15A									65	- 900 ~ - 920	
45R15B	45.000	4	3	± 7.5	1.0	3.0	30	± 25.0	65	+ 350 ~ + 1000	0.65 kΩ//3.0 pF
45M15B									80	- 200 ~ - 1000	
45R20A	45.000	2	3	± 10.0	0.5	2.0	15	± 30.0	35	+ 900 ~ + 920	0.91 kΩ//2.0 pF
45M20A									65	- 900 ~ - 920	
45R20B	45.000	4	3	± 10.0	1.0	3.0	35	± 40.0	65	+ 350 ~ + 1000	0.91 kΩ//1.0 pF
45M20B									80	- 200 ~ - 1000	
45R30A	45.000	2	3	± 15.0	0.5	2.0	15	± 50.0	35	+ 900 ~ + 920	1.2 kΩ//1.5 pF
45M30A									65	- 900 ~ - 920	
45R30B	45.000	4	3	± 15.0	1.0	3.0	35	± 50.0	65	+ 350 ~ + 1000	1.2 kΩ//0.7 pF
45M30B									80	- 200 ~ - 1000	
45R32A	45.000	2	2	± 16.0	0.5	2.5	4	± 29.0	35	+ 900 ~ + 920	1.1kΩ// - 0.93 pF
45M32A							15	± 60.0	65	- 900 ~ - 920	
70R15A	70.000	2	3	± 7.5	1.0	2.5	15	± 25.0	35	+ 900 ~ + 920	2.0 kΩ// - 1.0 pF
70M15A									35	- 900 ~ - 920	
70R15B	70.000	4	3	± 7.5	1.0	3.0	30	± 25.0	60	+ 900 ~ + 920	2.0 kΩ// - 0.5 pF
70M15B									80	- 200 ~ - 1000	
90R20A	90.000	2	3	± 10.0	1.0	2.5	15	± 30.0	35	+ 900 ~ + 920	2.5 kΩ// - 1.0 pF
90M20A									35	- 900 ~ - 920	
90R20B	90.000	4	3	± 10.0	1.0	3.0	25	± 35.0	50	+ 900 ~ + 920	2.0 kΩ// - 0.5 pF
90M20B									70	- 200 ~ - 1000	

Other specifications will be available upon consultation.

★ "Type" indicates the product No., which is not the trademark.

HOKURIKU

★ Specifications are subject to change without notice.