

MURATA Hybrid Crystal Resonators



This product is RoHS compliant.

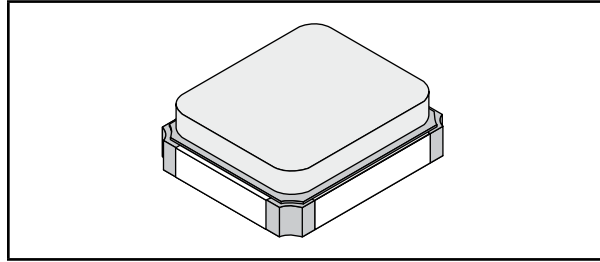


Innovator in Electronics

XRCGB SERIES - CRYSTAL RESONATORS

Murata's XRCGB crystal family features a quartz crystal element manufactured by Tokyo Denpa encased in Murata's proven packaging derived from its ceramic resonator technology. This combination creates a timing device that is smaller and lower cost than standard quartz crystals whilst maintaining the precision of quartz.

The XRCGB series benefits from a tiny package size of just 2.0 x 1.6 x 0.7mm, comparing favorably to its quartz crystal equivalents. Murata's hybrid crystal resonators now all feature four connection pads on the base allowing for use on existing 3225 and 2520 board layouts.



Features:

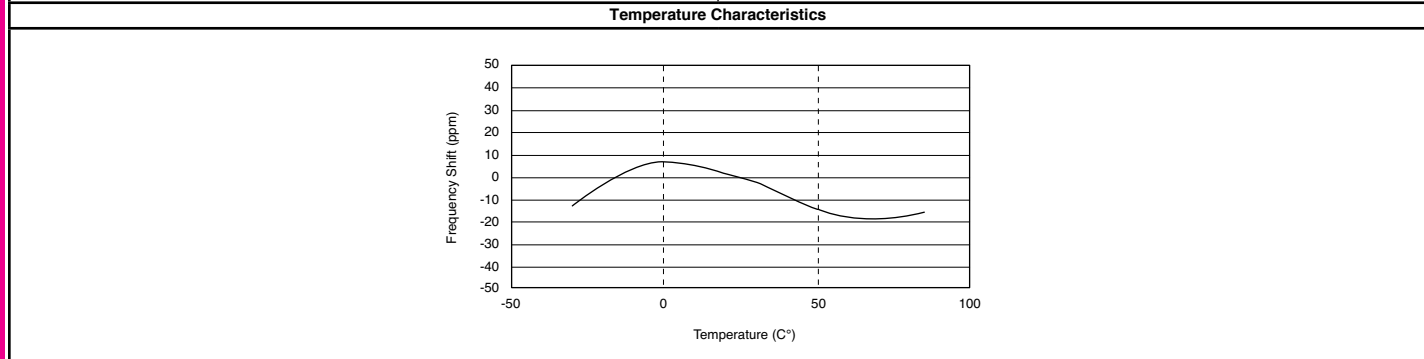
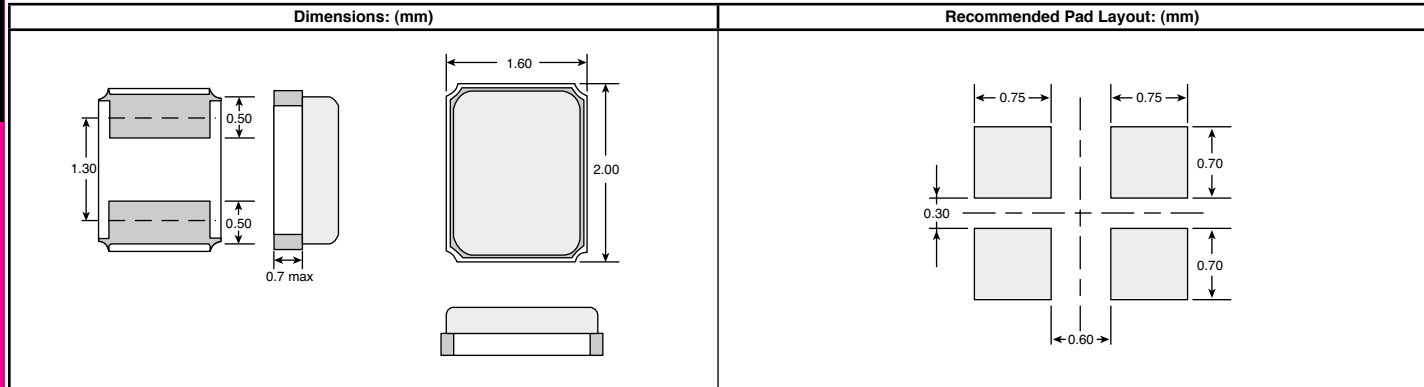
- More inexpensive compared with quartz crystal units
- Based on Murata's excellent production technology, achieving small size and high performance
- Higher-precision compared with ceramic resonators
- Accommodates lead-free solder mounting
- Extremely small size: 2.0 x 1.6 x 0.7mm

Specifications:

- Temperature Range: -30°C to +85°C
 - Nominal frequency: 24 to 48MHz
 - Initial Frequency deviation: ±100ppm
 - Temperature characteristics: ±50ppm
 - Load capacitance: 6pF
- *Product note: Conformal coating or washing of the component is not acceptable because it is not hermetically sealed.

Applications:

- Used for storage devices such as HDDs and ODDs
- USB2.0 High Speed specification compliant
- Audio equipment and musical instruments
- Other applications for replacement from other crystal resonators or oscillators



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Nominal Freq. (MHz)	Tolerance (±)	Temperature Stability (±)	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
81-XRCGB24M000FAN0R0	XRCGB24M000FAN00R0	24.0000	25	25	.75	.58	.527	.479	3000	.415
81-XRCGB24M000F3N0R0	XRCGB24M000F3N00R0	24.0000	30	30	.71	.549	.499	.454	3000	.393
81-XRCGB24M000F3M0R0	XRCGB24M000F3M00R0	24.0000	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB24M000F0L0R0	XRCGB24M000F0L00R0	24.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB25M000FAN0R0	XRCGB25M000FAN00R0	25.0000	25	25	.75	.58	.527	.479	3000	.415
81-XRCGB25M000F3N0R0	XRCGB25M000F3N00R0	25.0000	30	30	.71	.549	.499	.454	3000	.393
81-XRCGB25M000F3M0R0	XRCGB25M000F3M00R0	25.0000	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB25M000F0L0R0	XRCGB25M000F0L00R0	25.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB26M000FAN0R0	XRCGB26M000FAN00R0	26.0000	25	25	.75	.58	.527	.479	3000	.415
81-XRCGB26M000F3N0R0	XRCGB26M000F3N00R0	26.0000	30	30	.71	.549	.499	.454	3000	.393
81-XRCGB26M000F3M0R0	XRCGB26M000F3M00R0	26.0000	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB26M000F0L0R0	XRCGB26M000F0L00R0	26.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB27M000FAN0R0	XRCGB27M000FAN00R0	27.0000	25	25	.75	.58	.527	.479	3000	.415
81-XRCGB27M000F3N0R0	XRCGB27M000F3N00R0	27.0000	30	30	.71	.549	.499	.454	3000	.393
81-XRCGB27M000F3M0R0	XRCGB27M000F3M00R0	27.0000	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB27M000F0L0R0	XRCGB27M000F0L00R0	27.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB27M120F3M0R0	XRCGB27M120F3M00R0	27.1200	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB27M120F3M1R0	XRCGB27M120F3M10R0	27.1200	30	40	1.21	.84	.74	.60	3000	.44
81-XRCGB30M000FAN0R0	XRCGB30M000FAN00R0	30.0000	25	25	.75	.58	.527	.479	3000	.415
81-XRCGB30M000F3N0R0	XRCGB30M000F3N00R0	30.0000	30	30	.71	.549	.499	.454	3000	.393
81-XRCGB30M000F3M0R0	XRCGB30M000F3M00R0	30.0000	30	40	1.20	.83	.736	.597	3000	.43
81-XRCGB30M000F0L0R0	XRCGB30M000F0L00R0	30.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB33M868F0L0R0	XRCGB33M868F0L00R0	33.8688	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB40M000F4M0R0	XRCGB40M000F4M00R0	40.0000	45	40	1.20	.83	.736	.597	3000	.43
81-XRCGB40M000F0L0R0	XRCGB40M000F0L00R0	40.0000	100	50	1.14	.80	.70	.568	3000	.355
81-XRCGB48M000F4M0R0	XRCGB48M000F4M00R0	48.0000	45	40	1.20	.83	.736	.597	3000	.43
81-XRCGB48M000F0L0R0	XRCGB48M000F0L00R0	48.0000	100	50	1.14	.80	.70	.568	3000	.355