

# Crystal Filter

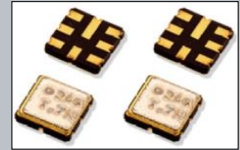


## XDCBA series

45 to 150 MHz, 3.8 x 3.8 x 1.1 mm

RoHS

Lead free



## Why muRata?

- Customized design
- Free matching service
- Best in class performance

## Application

- Walkie-Talkie
- Survey equipment
- Other IF applications...

Series	Size (mm)	Frequency (MHz)
XDCAF		
XDCAG	7.0 x 5.0	20 ~ 150
XDCAH		
XDCBA	3.8 x 3.8	45 ~ 150

## Company acquisition of TEW

In Aug. of 2013, Murata acquired TEW (Tokyo Denpa), a leading Japanese crystal maker. TEW brings to Murata more than 80 years of crystal know-how and manufacturing technology, from growing quartz to finished products. Combining TEW's crystal elements with Murata's technology will allow for providing more high quality product, stable supply, and expanded value in the future.

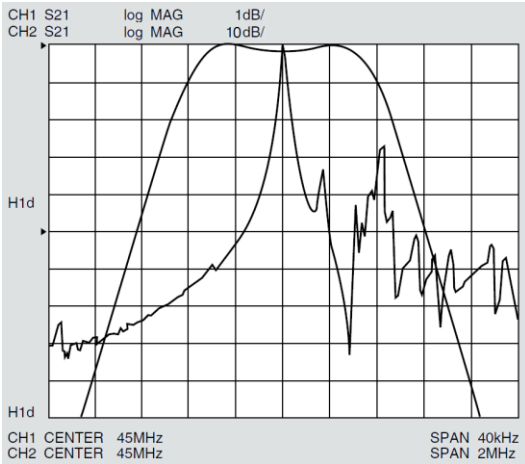


## Specifications (High runner frequencies)

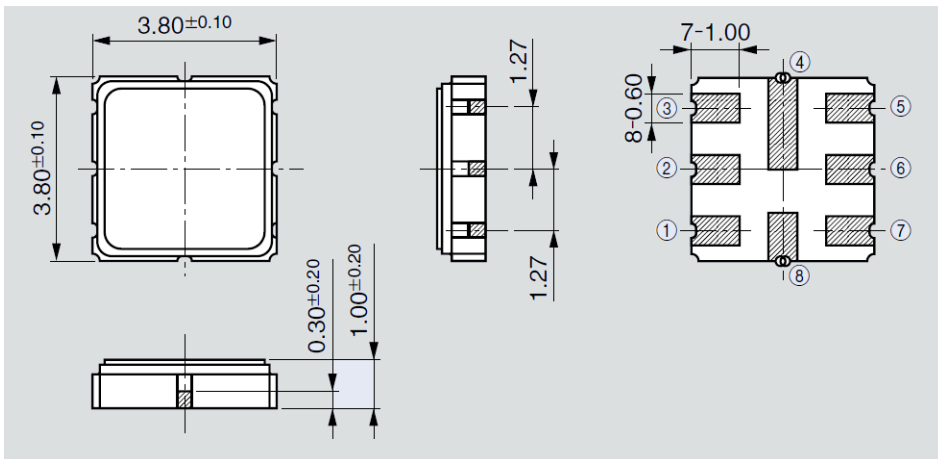
Series	Part Number	Center Frequency (MHz)	Pole	3dB-Pass bandwidth (kHz min.)	Insertion Loss (dB max.)	Spurious (dB Min.)	Stop bandwidth (kHz Max.)	Operating Temperature (°C)
XDCBA	XDCBA47M250RAA02P0	47.250000	2	±7.5	2.0	10	±25 (@15dB)	-20~+70
	XDCBA50M000MAA01P0	50.000000		±3.75	3.0	10	±16 (@15dB)	
	XDCBA70M200TAA01P0	70.200000		±12.5	2.5	10	±60 (@18dB)	

※ Please contact Murata when more detailed information needed.

## Characteristics chart



## Dimensions (in mm)



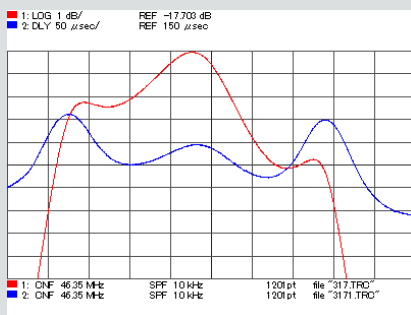
## Free matching service

- ✓ SAVE TIME AND EFFORT
- ✓ PROPER PERFORMANCE

Murata offers the circuit matching evaluation support free of charge to get proper filter characteristics

### Circuit constants (Example)

#### <Unmatched Conditions>



#### <Recommendable Conditions>

