








Murata Timing Devices





Ceramic Resonators(CERALOCK), Crystal Units

This is a typical lineup. Contact Murata for compatible frequencies and specifications.

for Consumer/Industrial

RoHS










	Size	Series		Oscillation Frequency [MHz]										Frequency Tolerance[ppm]			
				10	20	30	40	50						1	10	100	1000
CERALOCK	3.2 x 1.3 x 1.0	CSTNE_VH3L															±0.07%
	3.2 x 1.3 x 0.8	CSTNE_GH5L															±0.07%
	4.5 x 2.0 x 1.2	CSTNR_GH5L															±0.07%
Crystal Units (Resin sealed)	2.0 x 1.6 x 0.7	XRCGB_F_S															±10
	2.0 x 1.6 x 0.7	XRCGB_F_P															±20
	2.0 x 1.6 x 0.7	XRCGB_F_M															±30
	2.0 x 1.6 x 0.7	XRCGB_F_M															±45
	2.0 x 1.6 x 0.7	XRCGB_F_L															±100

for Automotive

RoHS

AEC-Q200



	Size	Series				Oscillation Frequency [MHz]										Frequency Tolerance[ppm]			
		Grade	Type			10	20	30	40	50						1	10	100	1000
CERALOCK	3.2×1.3×1.0	CSTNE_VH3C CSTNE_VH5T	G1	-															±0.07%
	3.2×1.3×0.8	CSTNE_GH5C	G1	-															±0.07%
	4.5×2.0×1.2	CSTNR_GH5C	G1	-															±0.07%
Crystal Units (Resin sealed)	2.0×1.6×0.7	XRCGB_F_C	G2	4Pad															±20
		XRCGB_F_A	G1	4Pad															±30/50
		XRCGE_F_A	G1	4Pad															±15/30
		XRCGA_F_A	G0/G1	2Pad															±15/30/40

● You can get more information about Timing Devices by visiting the URL below or right QR code.
<http://www.murata.com/en-global/products/timingdevice>



● IC Part Number –Timing Devices Search



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Access
here!

Search for Timing Devices by IC part number or search for IC part number by Timing Devices on our website. It is possible to search by either oscillating frequency or frequency range, too.

<http://www.murata.com/simsurf/ic-td/>

Search screen and Search method

Input

- IC Manufacturer
- IC Part Number
- Oscillating
- Timing Device Part Number
- IC Application

Click!

Search

Reset

get URL

Manual

Output

- IC Product Info.
- IC Manufacturer's Site
- Murata Product Info.(Web)
- Circuit Info.
- Brochure(PDF)
- Oscillator circuit

You can get more information IC Matching Service Information by visiting the URL below or right QR code.
<http://www.murata.com/en-global/products/timingdevice/crystal/ic/matching>

● Murata Sound Components



This is a typical lineup. Contact Murata for other specifications.

Type	Frequency	Part Number	Size (mm)	Appearance ^{※1}	SPL(Typ.) (dB) [±1.5Vo-p, SquareWave,10cm]
Piezoelectric Diaphragms		7BB-20-6	φ20 x 0.42		-
Piezoelectric Sounders (Pin Type)	2kHz	PKM17EPP-2002-B0	φ17 x 9.8		79
		PKM22EPPH2001-B0 ^{※2}	φ22 x 12		79
	4kHz	PKHPS0013E4000-A2	φ12.6x9.4		83
		PKM22EPPH4007-B0	φ22x12		92
Piezoelectric Sounders (SMD Type)	2kHz	PKMCS1818E20A0-R1	18 x 18 x 8		100 [+12Vo-p, SquareWave,10cm]
		PKLCS1212E2000-R1 (For Consumer) PKLCS1212E20A0-R1 (For Automotive)			76
	2.4kHz	PKLCS1212E2400-R1 (For Consumer) PKLCS1212E24A0-R1 (For Automotive)	12 x 12 x 3		80
		PKLCS1212E4001-R1 (For Consumer) PKLCS1212E40A1-R1 (For Automotive)			84
	4.8KHz	PKMCS0909E4000-R1	9 x 9 x 1.9		72
		PKMCS0909E48H0-R1	9x9x3.0		75

※1 Appearance is not a full scale.

※2 Another lead length is available.

You can get more information about Sound Components by visiting the URL below or right QR code.

<http://www.murata.com/en-global/products/sound>



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