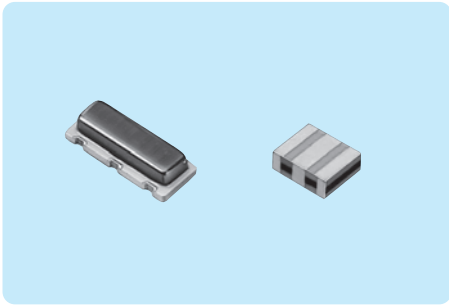


MURATA type **CSTCC, CSTCR, CSTCV, CSTCE, CSTCW**



CERALOCK®

A popular range of higher frequency piezo-electric ceramic resonators, with built-in load capacitance, housed in low profile surface mount packages. Ideally suited for electronic control circuits in small electronic equipment. Supplied taped and reeled. Other frequencies are available to special order.



- ◆ Extremely small
- ◆ High stability
- ◆ Built-in load capacitance
- ◆ Popular frequencies
- ◆ Supplied taped & reeled

Specification

Frequency tolerance ..... ±0.5%  
 Temperature stability (over -20 to +80°C)  
 CSTCC, CSTCV (≥16.0MHz), CSTCE (≥14.0MHz) ..... ±0.3%  
 CSTCV (≤10.0MHz) ..... ±0.4%  
 CSTCR, CSTCE (≤12.0MHz), CSTCW ..... ±0.2%

Packaging

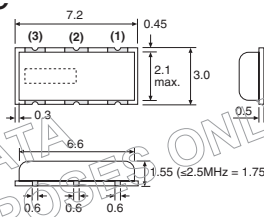
TAPE : 8mm wide (CSTCE), 12mm wide (all others), 4mm pitch  
 REEL : 178mm dia.

| Frequency MHz | Manf. Part No. & anglia Order Code |
|---------------|------------------------------------|
| 2.0           | CSTCC2M00G53-R0                    |
| 2.45          | CSTCC2M45G53-R0                    |
| 2.5           | CSTCC2M50G53-R0                    |
| 3.27          | CSTCC3M27G53-R0                    |
| 3.58          | CSTCC3M58G53-R0                    |
| 3.69          | CSTCC3M69G53-R0                    |
| 4.0           | CSTCC4M00G53-R0                    |
| 4.0*          | CSTCR4M00G53-R0                    |
| 4.19          | CSTCC4M19G53-R0                    |
| 4.19*         | CSTCR4M19G53-R0                    |
| 4.5           | CSTCR4M50G53-R0                    |
| 4.91          | CSTCC4M91G53-R0                    |
| 4.91*         | CSTCR4M91G53-R0                    |
| 5.0           | CSTCR5M00G53-R0                    |
| 5.75          | CSTCR5M75G53-R0                    |
| 6.0           | CSTCC6M00G53-R0                    |
| 6.0*          | CSTCR6M00G53-R0                    |
| 6.75†         | CSTCC6M75GZ3052-R0                 |
| 7.37          | CSTCR7M37G53-R0                    |
| 8.0*          | CSTCC8M00G53-R0                    |
| 8.0           | CSTCV8M00T54J-R0                   |
| 8.0           | CSTCE8M00G52-R0                    |
| 8.86          | CSTCE8M86G52-R0                    |
| 10.0          | CSTCC10M0G53-R0                    |
| 10.0          | CSTCV10M0T54J-R0                   |
| 10.0*         | CSTCE10M0G52-R0                    |
| 10.16         | CSTCE10M16G52-R0                   |
| 10.24         | CSTCE10M24G52-R0                   |
| 10.7          | CSTCE10M7G52-R0                    |
| 11.0          | CSTCE11M0G52-R0                    |
| 12.0          | CSTCE12M0G52-R0                    |
| 14.0          | CSTCE14M0V53-R0                    |
| 16.0          | CSTCV16M0X53J-R0                   |
| 16.0*         | CSTCE16M0V53-R0                    |
| 17.9          | CSTCE17M9V53-R0                    |
| 19.2          | CSTCE19M2V53-R0                    |
| 20.0          | CSTCV20M0X53J-R0                   |
| 20.0*         | CSTCE20M0V53-R0                    |
| 22.11         | CSTCW22M1X53-R0                    |
| 24.0          | CSTCW24M0X53-R0                    |
| 27.0          | CSTCW27M0X51-R0                    |
| 32.0          | CSTCW32M0X51-R0                    |
| 36.0          | CSTCW36M0X51-R0                    |
| 60.0          | CSTCW60M0X51-R0                    |

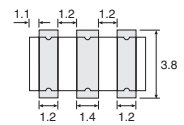
\*Preferred version  
 †Characterised for Micrel MICRF002/011/012

Dimensions (mm)

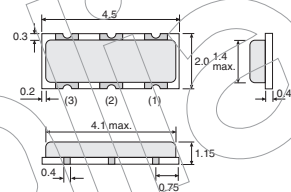
CSTCC



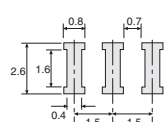
Pad Pattern



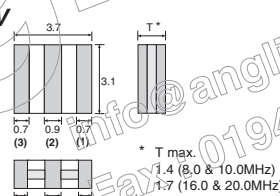
CSTCR



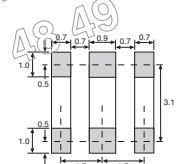
Pad Pattern



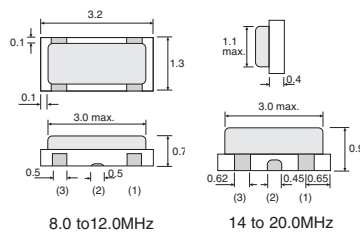
CSTCV



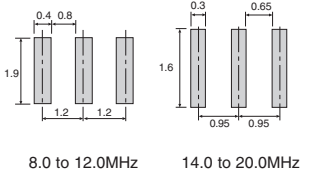
Pad Pattern



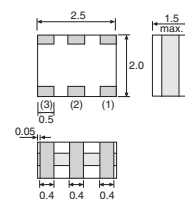
CSTCE



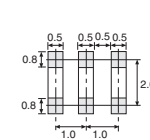
Pad Pattern



CSTCW



Pad Pattern



Connections (top view)

- (1) Input
- (2) Ground
- (3) Output