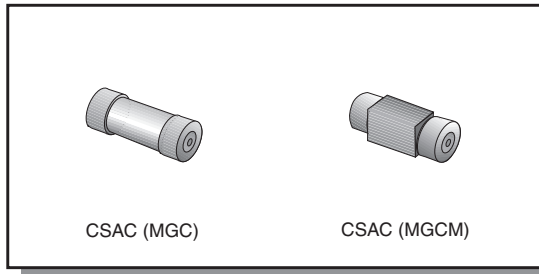


MURATA type CSAC


CERALOCK®

A popular range of lower frequency piezo-electric resonators housed in a choice of surface mount packages, compatible with most auto-placement equipment. Ideally suited for control circuits in small electronic equipment, the resonators are supplied taped and reeled. Other frequencies are available to special order.



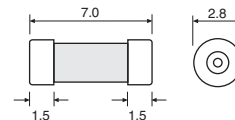
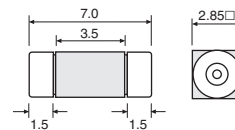
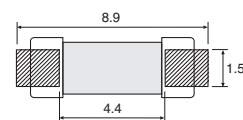
- ◆ Extremely small
- ◆ Choice of package
- ◆ High stability
- ◆ Excellent shock resistance
- ◆ Popular frequencies
- ◆ Washable
- ◆ Supplied taped & reeled


Specification

Frequency tolerance ±0.5%
 Temperature stability ±0.3% over -20 to +80°C

Packaging

TAPE : 12mm wide, 4mm pitch REEL : 178mm dia.

Dimensions (mm)
CSAC (MGC)

CSAC (MGCM)

Pad Pattern


CSAC (MGC)	
Frequency MHz	Manf. Part No. & Anglia Order Code
2.0	CSAC2.00MGC-TC
2.45	CSAC2.45MGC-TC
2.5	CSAC2.50MGC-TC
3.27	CSAC3.27MGC-TC
3.58	CSAC3.58MGC-TC
3.69	CSAC3.69MGC-TC
4.0	CSAC4.00MGC-TC
4.19	CSAC4.19MGC-TC
4.43	CSAC4.43MGC-TC
4.5	CSAC4.50MGC-TC
4.91	CSAC4.91MGC-TC
5.0	CSAC5.00MGC-TC
5.5	CSAC5.50MGC-TC
5.75	CSAC5.75MGC-TC
6.0	CSAC6.00MGC-TC

CSAC (MGCM)	
Frequency MHz	Manf. Part No. & Anglia Order Code
2.0	CSAC2.00MGCM-TC
2.45	CSAC2.45MGCM-TC
2.5	CSAC2.50MGCM-TC
3.27	CSAC3.27MGCM-TC
3.36†	CSAC3.36MGCM551-TC
3.58	CSAC3.58MGCM-TC
3.69	CSAC3.69MGCM-TC
4.0	CSAC4.00MGCM-TC
4.19	CSAC4.19MGCM-TC
4.43	CSAC4.43MGCM-TC
4.5	CSAC4.50MGCM-TC
4.91	CSAC4.91MGCM-TC
5.0	CSAC5.00MGCM-TC
5.5	CSAC5.50MGCM-TC
5.75	CSAC5.75MGCM-TC
6.0	CSAC6.00MGCM-TC

† characterised for Micrel MICRF001 (other frequencies available to special order)

High frequency CSACV surface mount resonators shown overleaf > > > >

MURATA type CSACV



CERALOCK®

A popular range of higher frequency piezo-electric resonators housed in a low profile surface mount package. Ideally suited as clock generators for microprocessors and microcontrollers. Supplied taped and reeled. Other frequencies are available to special order.



- ◆ Extremely small
- ◆ Low profile ($\leq 1.7\text{mm}$)
- ◆ High stability
- ◆ Popular frequencies
- ◆ Washable
- ◆ Supplied taped & reeled

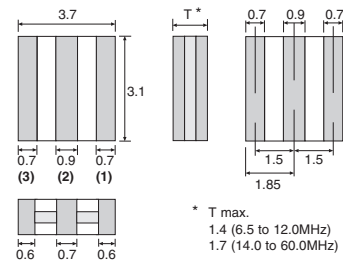
Specification

Frequency tolerance	$\pm 0.5\%$
Temperature stability	
6.5 to 12.0MHz	$\pm 0.5\%$ over -20 to $+80^\circ\text{C}$
14.0 to 60.0MHz	$\pm 0.3\%$ over -20 to $+80^\circ\text{C}$

Packaging

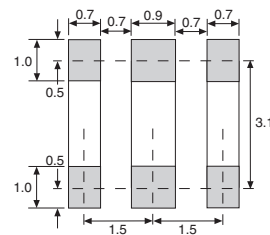
TAPE : 12mm wide, 4mm pitch REEL : 178mm dia.

Dimensions (mm)



Terminals (1) and (3) are interchangeable.
Terminal (2) is electrically isolated.

Pad Pattern



Frequency MHz	Manf. Part No. & Anglia Order Code
6.5	CSACV6M5T55J-R0
7.37	CSACV7M37T55J-R0
8.0	CSACV8M00T55J-R0
8.86	CSACV8M86T55J-R0
10.0	CSACV10M0T55J-R0
10.16	CSACV10M16T55J-R0
10.24	CSACV10M24T55J-R0
10.7	CSACV10M7T55J-R0
11.0	CSACV11M0T55J-R0
11.06	CSACV11M06T55J-R0
12.0	CSACV12M0T55J-R0
14.0	CSACV14M0X55J-R0
16.0	CSACV16M0X55J-R0
17.9	CSACV17M9X55J-R0
18.26	CSACV18M4X55J-R0
19.2	CSACV19M2X55J-R0
20.0	CSACV20M0X53J-R0
24.0	CSACV24M0X53J-R0
27.0	CSACV27M0X51J-R0
32.0	CSACV32M0X51J-R0
36.0	CSACV36M0X51J-R0
60.0	CSACV60M0X51J-R0

