

## CAS 309 AND 310 SERIES

### ● SPECIFICATIONS

SERIES	CSA310	CSA309
FREQUENCY RANGE	3.579545 MHz TO 4.00MHz	4.00 MHz TO 30.00 MHz (FUND) 30.01 MHz TO 70.00MHz(3 CT)
MODE OF OSCILLATION	FUNDAMENTAL OR THIRD OVERTONE	
FREQUENCY TOLERANCE AT 25	±50 PPM MAXIMUM	
FREQUENCY STABILITY VERSUS TEMPERATURE	±50 PPM MAXIMUM	
OPERATING TEMPERATURE RANGE	-10 TO +60	
STORAGE TEMPERATURE RANGE	-40 TO +85	
AGING (FIRST YEAR)	±5 PPM	
LOAD CAPACITANCE	12pF TO 32pF OR SERIES	
SHUNT CAPACITANCE	5.0 pF MAXIMUM	
EQUIVALENT SERIES RESISTANCE (ESR)	SEE TABLE	
DRIVE LEVEL	50uW TYPICAL 100uW MAXIMUM	50uW TYPICAL 100uW MAXIMUM
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 3000 g'sx0.3msx1/2 SINEWAVE IN 3 AXES	

### ● EQUIVALENT SERIES RESTANCE(ESR) VS.FREQUENCY RANGE

MODEL TYPE	FREQUENCY(MHz)	MAXIMUM ESR(OHM)	MODEL OF OSCILLATION
CSA 310	3.579545	200	FUNDAMENTAL
CSA 309	4.00 TO 5.999	150	FUNDAMENTAL
	6.00 TO 5.999	100	FUNDAMENTAL
	10.00 TO 30.00	50	FUNDAMENTAL
	30.01 TO 35.99	100	THIRD OVERTONE
	36.00 TO 70.00	80	THIRD OVERTONE

● PART NUMBERING SYSTEM

HOLDER	FREQUENCY	LOAD CAPACITANCE	MODE	
CSA309	IN MHz	12 TO 32 PF FOR PARALLEL S FOR SERIES	F	FUNDAMENTAL†
CSA310			3OT	THIRDOVERTONE

† FUNDAMENTAL MODE NOT NEEDED IN PART NUMBER

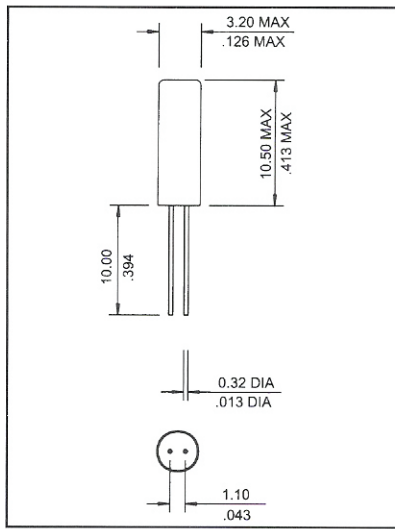
EXAMPLE: CSA309-11.0592-18

CSA309-32.000-20-30T

● OUTLINE DRAWING

Scale none Dimension in  $\frac{\text{Mm}}{\text{inch}}$

CSA310



CSA309

