PRODUKT-INFO

CSA-310 • CSA-309 HIGH FREQUENCY CRYSTAL

FEATURES

- 1. The units are high-performance, miniature crystal units manufactured with Citizen's ultrahigh-precision processing technology.
- 2. High stability has been gained through vacuum sealing.
- 3. Outstanding vibration resistance, shock resistance and environmental chracteristics.
- 4. Cylinder type metal package / holder.

APPLICATION

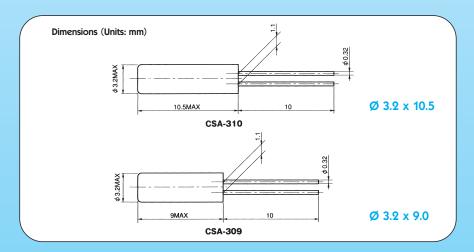
Can be used for a wide range of applications including use in AV equipment, OA equipment, communication equipment and measuring instruments.

ELECTRICAL SPECIFICATIONS			
Model		CSA-310	CSA-309
Nominal Frequency	fo	3.5 MHz ~ 4.0 MHz	4.0 MHz ~ 70.0 MHz
Frequency Tolerance	Δf/fo	± 20 ppm / ± 30 ppm / ± 50 ppm	
(at +25°C)	Δ1/10		
Frequency Stability	$\Delta \mathrm{f/fo}$	±30 ppm / ±50 ppm	
Operating Temperature Range	T _{ORP}	-10°C to +60°C, -40°C to +85°C option	
Storage Temperature Range	T _{STG}	−40°C to +85°C	
Equivalent Series Resistance	R ₁	30 Ω ~ 200 Ω	
Load Capacitance	C_L	16 pF typical (Customer Spec.)	
Shunt Capacitance	CO	5.0 pF max.	
Drive Level	DL	100 μW (500 μW max.)	
Insulation Resistance	IR	500 M Ω min. / DC 100 V \pm 15 V	
Aging (at +25°C) first year	Δf/fo	±5 ppm / year max.	
Sealing		1 x 10 ⁻² µPa · m ³ /s max.	



Actual Size CSA-310

CSA-309



Now available

ROHS

COMPLIANT
2002/95/EC

ROHS

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