

# Tuning Fork Watch Crystal



## Applications:

- Notebook PC
- Digital Camera
- Wireless LAN
- Portable PC
- Mobile Phone
- LCD

## FEATURES

- Designed for Time of Day Clocks Applications
- Excellent Shock and Environmental Characteristics
- Small Compact Size with Performance and Economy
- RoHS Compliant

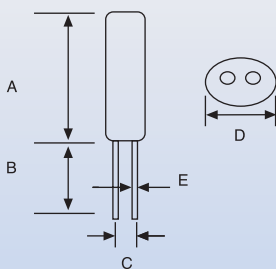
## SPECIFICATION

MODEL		AS308
Normal Frequency	kHz	32.768KHz
Frequency Tolerance (25°C)	ppm	±20 (Standard)
Environmental Condition		
Operating Temperature Range	°C	-10 to +70
Storage Temperature Range	°C	-40 to +85
Aging	ppm/year	±5 Max.
Electrical Specifications		
Load Capacitance ( CL )	pF	6.0 to 12.5pF (12.5pF Standard)
Drive Level	uW	1.0uW Max.
Equivalent Series Resistance	Ω	35k Ω Max.
Motional Capacitance	fF(TYP)	3.5fF TYP
Shunt Capacitance ( Co )	pF	1.6pF TYP
Insulation Resistance		More than 500MΩ

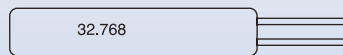
## DIMENSION (mm)

MODEL	A	B	C	D	E	F
AS308	8.2 Max	10 Min.	1.3 Max.	3.1 Max.	ø0.35	-

AS308



## Marking Rule



## PART NUMBERING GUIDE

Example: AS308-32.768K-FC125C2

MODEL	Frequency	Mode	Tolerance	CL	Stability	OP Temp Range
AS308	In KHZ	F: Fundamental 3: 3rd Overtone	A: ±10ppm B: ±15ppm C: ±20ppm D: ±25ppm E: ±30ppm F: ±50ppm G: ±100ppm O: Others	080: 8pF 125: 12.5pF 160: 16pF 180: 18pF 200: 20pF 300: 30pF 320: 32pF S: Series	A: ±10ppm B: ±15ppm C: ±20ppm D: ±25ppm E: ±30ppm F: ±50ppm G: ±100ppm O: Others	1: 0 to +70°C 2: -10 to +70°C 3: -20 to +70°C 4: -20 to +80°C 5: -40 to +85°C 6: -40 to +105°C 0: Others