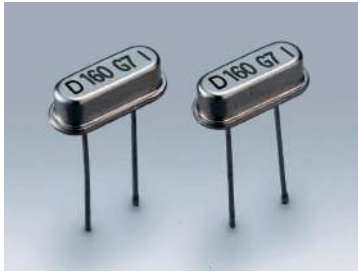


Crystal Resonators <For Automotive>

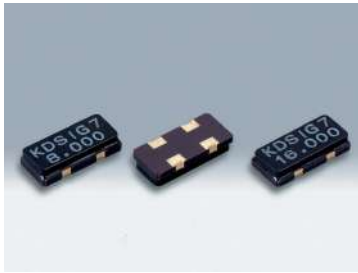
AT-49, SMD-49, DSX151GAL



AT-49



SMD-49



DSX151GAL

Miniature PTH and SMD crystals for automotive electronics.



■ Features

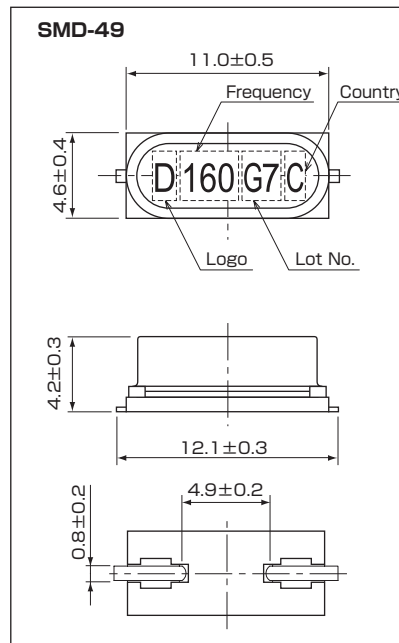
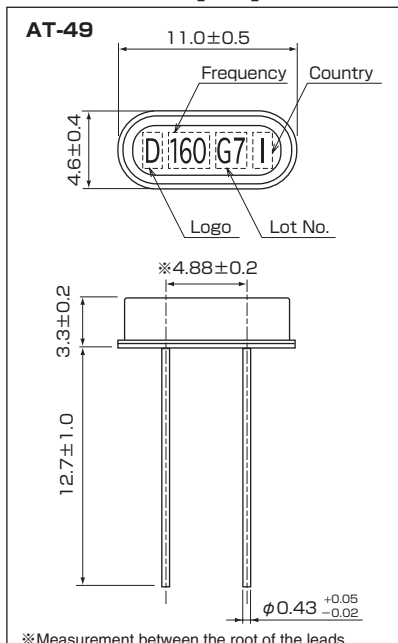
- Capable of operating over a wide temperature range.
- Offers a high degree of reliability due to excellent shock and vibration resistance, as well as excellent frequency stability.
- SMD version is suitable for automatic mounting and reflow soldering.
- AEC-Q200 Compliant
- RoHS Compliant (DSX151GAL)

■ Standard Specification

Item	Type	AT-49	SMD-49	DSX151GAL
Nominal Frequency			※ 1	
Overtone Order			Fundamental	
Load Capacitance			8pF~20pF	
Drive Level			10μW (300μW max.)	
Frequency Tolerance			±50×10 ⁻⁶ , ±100×10 ⁻⁶ (at 25°C)	
Series Resistance			※ 1	
Frequency Characteristics over Temperature			±150×10 ⁻⁶ , ±200×10 ⁻⁶	
Operating Temperature Range			-40~125°C	
Storage Temperature Range			-40~150°C	
Reliability			AEC-Q200-REV. C	

Consult our sales representative for other specifications.

■ Dimensions[mm]



※ 1

Nominal Frequency (MHz)	Series Resistance (Ω)
4	120
6	100
8	80
10	70
12	60
16	50
20	50

