

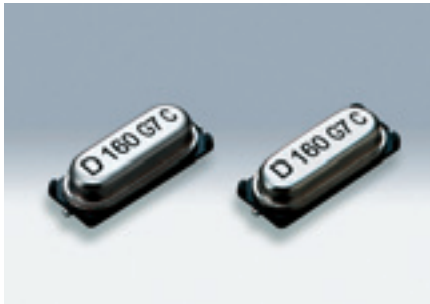
SMD Crystal Resonators / MHz Band Crystal Resonators

SMD-49, SMD-49TA/TB



SMD-49

Actual size



SMD-49TA/TB

Actual size



■ SMD-49

A surface mount version of the AT-49.

A high level of reliability provided by a hermetically sealed metal package.

Suitable for automatic mounting and reflow soldering.

■ SMD-49TA/TB

A low-profile version of the SMD-49.

The SMD-49TA is 2.6mm high.

The SMD-49TB is 2.3mm high.



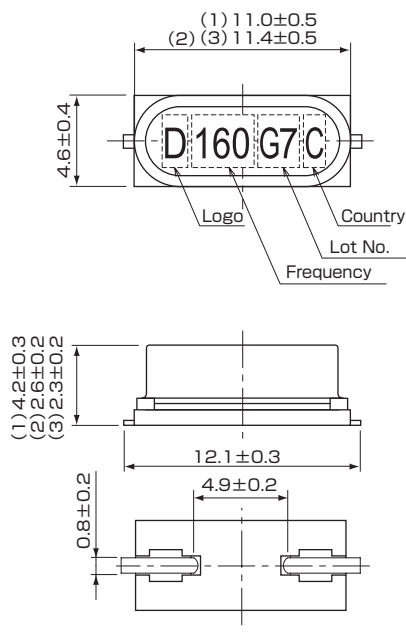
■ Standard Specification

Item \ Type	SMD-49	SMD-49TA	SMD-49TB
Frequency Range (Overtone Order)	3.2~33.9MHz (Fundamental) 26~70MHz (3rd overtone)	3.579~16MHz (Fundamental) 26~48MHz (3rd overtone)	16~33.9MHz (Fundamental) 48~70MHz (3rd overtone)
Load Capacitance	Series 8pF, 10pF, 12pF, 16pF		
Drive Level	Fundamental : 10μW (300μW max.)		
	3rd overtone : 50μW (1mW max.)		
Frequency Tolerance	±50×10 ⁻⁶ , ±100×10 ⁻⁶ (at 25℃)		
Series Resistance※	40~300Ω max.		40~100Ω max.
Frequency Characteristics over Temperature	±50×10 ⁻⁶ , ±100×10 ⁻⁶ / -10~+60℃ (Ref. to 25℃)		
Storage Temperature Range	-30~+80℃		
Aging	±5×10 ⁻⁶ max./year		
Packing Unit	1000pcs./reel (φ330)	2000pcs./reel (φ330)	
Standard Specification	Refer to page 38		

Consult our sales representative for automotive and other specifications.

※Refer to page 32[AT-49] for Series Resistance.

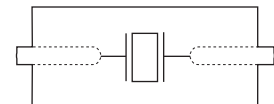
■ Dimensions[mm]



- (1) SMD-49
(2) SMD-49TA
(3) SMD-49TB

■ Internal Connections

〈Top View〉



■ Recommended Land Pattern [mm]

〈Top View〉

