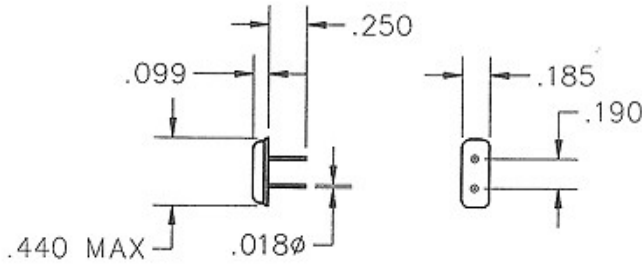


Crystal, HC49/US

Low Height

DATA SHEET	
Part Number	AX102
Frequency Range	3.500MHz ~ 90.000MHz
Calibration Tolerance @ 25°C	±50PPM Standard (See Option Table)
Operating Temperature Range	0°C ~ 70°C Standard (See Option Table)
Frequency Stability over Temperature	±50PPM Standard (See Option Table)
Operation Mode / ESR	3.5M ~ 5.0M Fund • 150Ω
	5.01M ~ 10.0M Fund • 65Ω
	10.01M ~ 50.0M Fund • 45Ω
	30.0M ~ 90.0M 3 rd OT • 80Ω
Load Capacity	16pF Standard, Specify Custom Values
Shunt Capacitance	7.0pF Max
Aging per year	±5.0PPM Max
Drive Level	100nW — 1000μW (Calibration @ 100μW)
Packaging	Bulk standard, Option (-TR) Tape & Reel

OUTLINE DRAWING



PART NUMBER TABLE

Option Code	Specification	<p align="center">Part Number Generation</p> <p>AX102 • Option Code • Frequency • Load Capacitance ex: AX102B-12.800M-18 (±50ppm(tolerance)/±30ppm(stability), 0°C ~ 70°C, 18pF)</p> <p align="center">Please contact factory for custom specifications</p>
A	Stability ±20 PPM AT Cut Only	
B	Stability ±30 PPM AT Cut Only	
C	Operating Temp -30°C ~ +85°C	
D	Tolerance ±20 PPM @ 25°C	
E	Tolerance ±30 PPM @ 25°C	
F	Fund. 25.0M ~ 50M BT Cut*	
G	Fund. 24.0M ~ 36M AT Cut	
H	3 rd Lead	
I	Insulator Tab	
	*±100 PPM Stability Only	