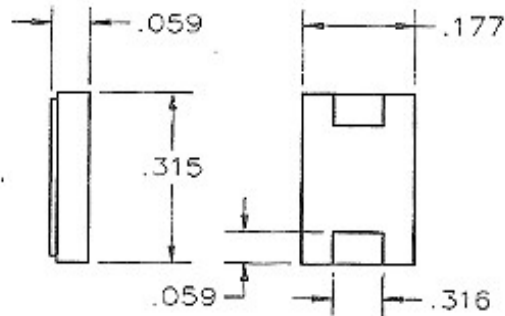


Crystal, Miniature SMD

| DATA SHEET | |
|--------------------------------------|--|
| Part Number | AX100 |
| Frequency Range | 10.000MHz ~ 90.000MHz |
| Calibration Tolerance @ 25°C | ±50PPM Standard (See Option Table) |
| Operating Temperature Range | -10°C ~ 60°C Standard (See Option Table) |
| Frequency Stability over Temperature | ±50PPM Standard (See Option Table) |
| Operation Mode / ESR | 10.0M ~ 16.0M Fund • 120Ω |
| | 16.01M ~ 20.0M Fund • 80Ω |
| | 20.01M ~ 40.0M Fund • 60Ω |
| | 30.01M ~ 90.0M 3 rd OT • 120Ω |
| 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 |
|-------------|-------------------------------|
| A | Stability ±50 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 |
| | |
| | *±100 PPM Stability Only |

Part Number Generation

AX100 • Option Code • Frequency • Load Capacitance
 ex: AX100B-12.800M-18
 (±50ppm(tolerance)/±30ppm(stability), -10°C ~ 60°C, 18pF)

Please contact factory for custom specifications