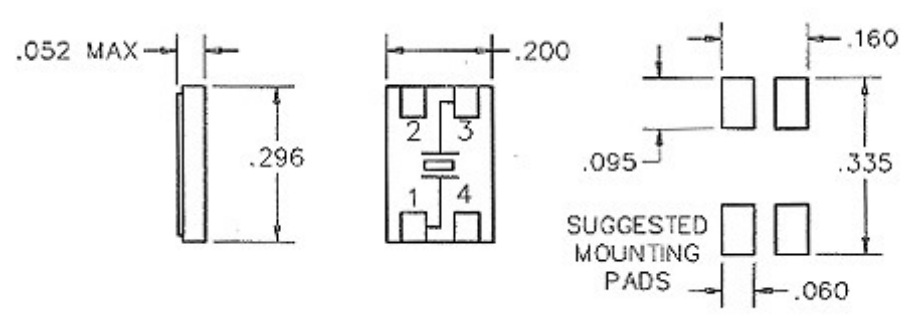


Crystal, Miniature SMD

| DATA SHEET | | |
|---|--|---|
| Part Number | AX105 | |
| 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 • 60Ω | |
| | 16.01M ~ 20.0M Fund • 40Ω | |
| | 20.01M ~ 40.0M Fund • 30Ω | |
| | 30.01M ~ 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 align="center">AX105 • Option Code • Frequency • Load Capacitance ex: AX105B-12.800M-18 (±50ppm(tolerance)/±30ppm(stability), -10°C ~ 60°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 | |
| | *±100 PPM Stability Only | |