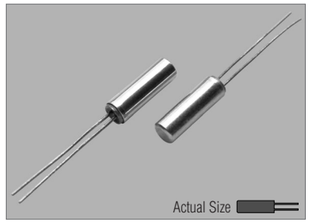
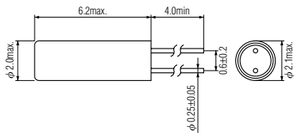
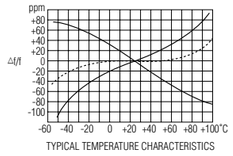
2x6mm



2x6mm



AT-CUT



TYPICAL TEMPERATURE CHARACTERISTICS

STANDARD SPECIFICATIONS

1. Package type ..... 2x6 mm
2. Frequency range ..... 12.000 MHz to 48.000 MHz
3. Frequency tolerance ..... ±50 ppm at +25°C ±3°C
4. Temperature stability (referred to +25°C) ..... ±50 ppm over −20°C to +70°C
5. Load capacitance (CL) ..... 14 pF, Typical
6. Shunt capacitance (Co) ..... 5 pF max.
7. Drive level (P) ..... 100 μW max. (10 μW for testing)
8. Aging ..... ± 5 ppm max. at +25°C ±3°C per year
9. Cut/Oscillation mode ..... AT−Cut/Fundamental

PART NUMBERING GUIDE

26 M 352 — 14

- 26 — Package type
- M — Circuit calibration condition
- 352 — Frequency designator
- 14 — Load capacitance (CL)

EXAMPLE

SMI PART NO.	Package	Circuit Calibration Condition	Frequency
26M352−14	26 = 2x6mm	M = Parallel resonance CL = 14 pF	352 = 35.2512 MHz
26S251	26 = 2x6mm	S = Series resonance	251 = 25.175 MHz

PACKAGE DATA

Item \ Package	2x6 mm
Cover	Metal
Base	Glass
Sealing	Press-fit
Terminal lead	Alloy (FeNiCo)
Terminal plating	Sn
RoHS	Compliant

2x6MM (AT-CUT) STANDARD FREQUENCIES

FREQUENCY MHz	FREQUENCY DESIGNATOR	MAX EQUIVALENT SERIES RESISTANCE OHMS(Ω) ESR
12.000000	120	80
13.560000	1356	80
14.318180	143	80
14.400000	144	80
14.745600	147	80
15.000000	150	80
15.206400	152	80
16.000000	160	80
16.000312	160003	80
16.257000	162	80
16.384000	163	80
16.620000	1662	80
16.667000	166	80
17.734475	1773	60
18.432000	184	60
19.200000	192	60
19.660800	196	60
20.000000	200	60
20.736000	207	60
20.792000	2079	60

FREQUENCY MHz	FREQUENCY DESIGNATOR	MAX EQUIVALENT SERIES RESISTANCE OHMS(Ω) ESR
24.000000	240	50
24.000312	240003	50
24.576000	245	50
25.000000	250	50
25.175000	251	50
27.000000	270	50
28.636363	2863	50
29.491200	294	50
30.000000	300	50
31.334400	313	50
32.000000	320	50
32.256000	3225	50
35.251200	352	50
36.864000	368	50
39.000000	390	50
40.000000	400	50
48.000000	480	50