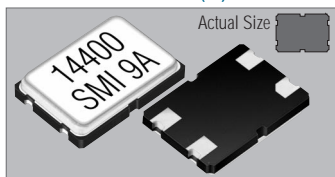
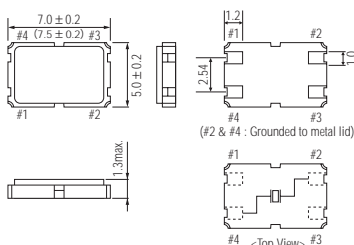


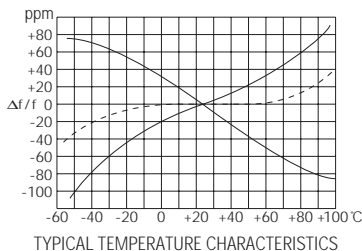
94SMX (B)



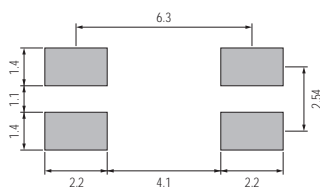
94SMX (B)



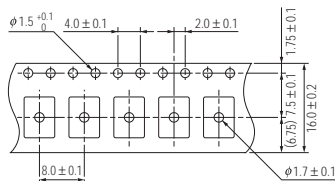
AT-CUT



SOLDERING PATTERN for 94SMX(B)



TAPE SPECIFICATIONS



94SMX(B) : QTY/REEL 1000 pcs REEL DIA 178 mm

SPECIFICATIONS

- Package type 94SMX(B)
- Frequency range 9.000 MHz to 260.000 MHz
- Calibration tolerance O: ± 10 ppm at + 25°C ± 3°C
Q: ± 15 ppm at + 25°C ± 3°C
R: ± 20 ppm at + 25°C ± 3°C
T: ± 30 ppm at + 25°C ± 3°C
- Temperature stability (referred to + 25°C) See table below

Ope. Temp. Range.	Stability	PPM					
		± 5.0 (JJ)	± 7.5 (LL)	± 10 (OO)	± 15 (QQ)	± 20 (RR)	± 30 (TT)
0 ~ + 50°C (eee)		○	○	○	○	○	○
-10 ~ + 50°C (gee)		○	○	○	○	○	○
-10 ~ + 60°C (ggg)		○	○	○	○	○	○
-10 ~ + 70°C (gii)			○	○	○	○	○
-20 ~ + 70°C (iii)				○	○	○	○
-30 ~ + 75°C (kii)					○	○	○
-30 ~ + 80°C (kkk)					○	○	○
-35 ~ + 80°C (lkk)						○	○
-40 ~ + 85°C (mll)						○	○

- Equivalent series resistance (ESR) 80 Ω max. (9 to 10 MHz)
60 Ω max. (10 to 12 MHz)
50 Ω max. (12 to 13 MHz)
40 Ω max. (Fundamental)
70 Ω max. (3rd overtone)
100 Ω max. (5th overtone)
- Shunt capacitance (Co) 7 pF max.
- Drive level (P) 100 μW max. (10 μW for testing)
- Aging ± 2 ppm max. at + 25°C per year
- Cut AT - Cut
- Reflow soldering condition 10 seconds max. at + 235°C ± 5°C

PART NUMBERING GUIDE

14.400 MHz 94SMX(B) T / OO / iii / 15



EXAMPLE

FREQUENCY	PACKAGE	CALIBRATION TOLERANCE	TEMPERATURE STABILITY	OPERATING TEMPERATURE RANGE	LOAD CAPACITANCE	PART NUMBER
14.400 MHz	94SMX(B)	T= ± 30 ppm	OO= ± 10 ppm	iii = -20°C to + 70°C	15 pF	14.400 MHz 94SMX(B) T/OO/iii/15

PACKAGE DATA

Item	Package	94SMX (B)
LID		Metal
BASE		Ceramic
SEALING		Seam-weld
TERMINAL PLATING		Gold