

SMD REFLOWABLE, CYLINDRICAL TYPE TUNING FORK CRYSTAL

AB206F

* RoHS COMPLIANT



6.0 x 2.0mm

FEATURES:

- Miniature high frequency crystals
- Excellent frequency vs. temperature stability
- Industrial temperature range available
- Surface mount configuration

APPLICATIONS:

- Communications equipment
- Measuring instruments
- Audio and video equipment
- Hand held devices
- Portable electronics
- Microprocessor clocks

STANDARD SPECIFICATIONS:

PARAMETERS	
Nominal Frequency	6.000MHz - 27.000MHz
Operating Temperature	-20°C to + 70°C
Turn-over Temperature	25°C to ± 5°C
Storage Temperature	-40°C to +85°C
Frequency Tolerance	±30 ppm max.
Frequency Stability	±30 ppm max.
Equivalent Series Resistance	See Table 1
Load Capacitance CL	16pF typical (see option)
Shunt Capacitance	5pF
Drive Level	100μW max., 10μW correlation
Aging at 25°C/year	± 5ppm max.
Insulation Resistance	500 MΩ min. at 100 Vdc ± 15V

OPTIONS AND PART IDENTIFICATION (Left blank if standard):

AB206F - Frequency - CL - ESR - Tolerance - Stability - Packaging

CL options:

Load cap. in pF (minimum 10 pF)
S for Series Resonance

Freq Stability options:

U for ± 10 ppm max.
G for ± 15 ppm max.
X for ± 20 ppm max.
W for ± 25 ppm max.
H for ± 35 ppm max.
Y for ± 50 ppm max.
Z for ± 100 ppm max.

ESR options:

RXXX (value in ohms max.)

Freq Tolerance options:

1 for ± 10 ppm max.
7 for ± 15 ppm max.
2 for ± 20 ppm max.
3 for ± 25 ppm max.
5 for ± 50 ppm max.
6 for ± 100 ppm max.

Packaging option:

T for Tape and Reel

OUTLINE DRAWING:

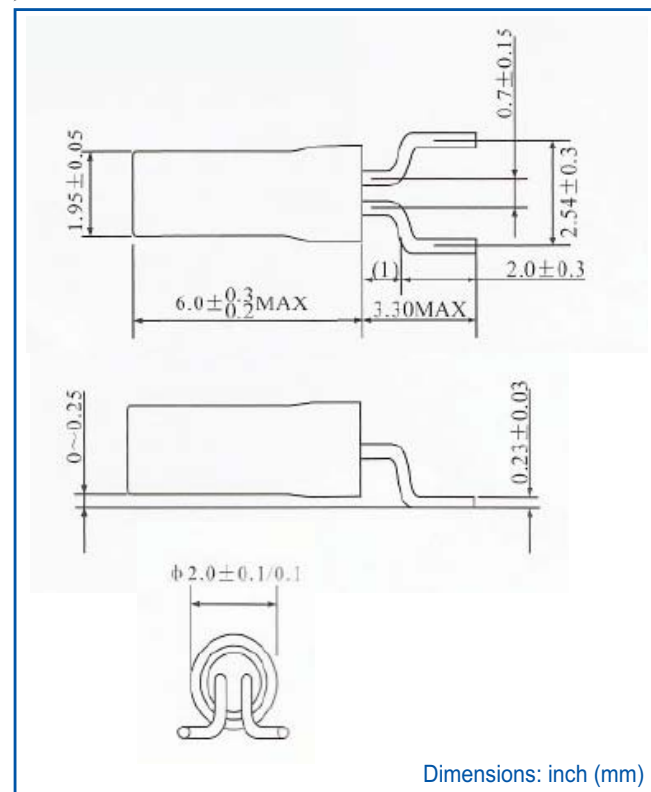


TABLE 1:

Frequency Range (MHz)	Max ESR (Ω)
6.000 to 6.999 (Fund)	90
7.000 to 8.999 (Fund)	60
9.000 to 12.999 (Fund)	60
13.000 to 15.999 (Fund)	50
16.000 to 19.999 (Fund)	40
20.000 to 27.000 (Fund)	30

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

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Dimensions: inch (mm)