

**XT micro miniature  
ultra thin smd crystal  
(24.0 ~ 54.0)MHz**

- (1.65 x 1.25)mm, height 0.30mm
- ceramic package, vacuum seal
- 8mm tape and reel, 3000 pieces per reel
- RoHS compliant

**Electrical specification**

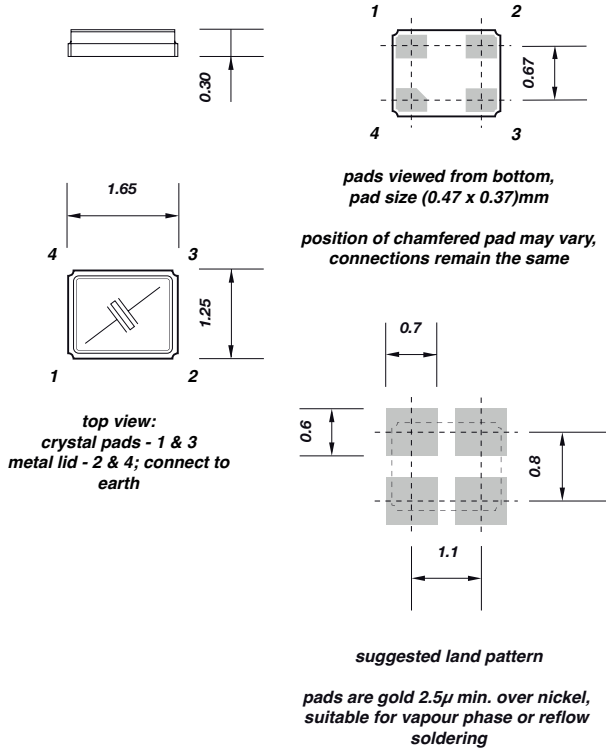
<b>case style</b>	XT: (1.65 x 1.25)mm, height 0.30mm
<b>frequency range</b>	(24.0 ~ 54.0)MHz fundamental
<b>standard frequencies</b>	26.00MHz, 54.00MHz
<b>adjustment tolerance</b>	from $\pm 5\text{ppm}$ at $+25^\circ\text{C}$ , temperature range dependent
<b>temperature tolerance</b>	from $\pm 5\text{ppm}(-10 +60)^\circ\text{C}$ , from $\pm 30\text{ppm}(-40 +125)^\circ\text{C}$
<b>operating temperature</b>	$(-10 +60)^\circ\text{C} \sim (-40 +125)^\circ\text{C}$
<b>storage temperature</b>	$(-40 +125)^\circ\text{C}$
<b>load</b>	customer specified
<b>shunt capacitance <math>C_0</math></b>	3pF max.
<b>drive level</b>	10 $\mu\text{W}$ typical, 200 $\mu\text{W}$ max.
<b>ageing</b>	$\pm 1\text{ppm}$ to $\pm 3\text{ppm}$ per year
<b>insulation resistance</b>	500Meg. ohm min. at $+100\text{Vd.c.}$

**Ordering information**

<b>EXAMPLE</b>	XT crystal, 26.00MHz, load 20pF, $\pm 10\text{ppm}$ at $+25^\circ\text{C}$ , $\pm 10\text{ppm}(-10 +60)^\circ\text{C}$
<b>TFC PART NUMBER</b>	XT 26.00M H B B I
<b>XT</b>	crystal series: XT
<b>26.00M</b>	frequency: 26.00M = 26.00MHz, frequency range from (24.0 ~ 54.0)MHz
<b>H</b>	load capacitance: H = 20pF
<b>B</b>	adjustment tolerance at $+25^\circ\text{C}$ : C = $\pm 10\text{ppm}$
<b>B</b>	temperature tolerance: B = $\pm 10\text{ppm}$
<b>I</b>	temperature range: I = $(-10 +60)^\circ\text{C}$
<b>OPTIONS</b>	
<b>load capacitance</b>	A: 8pF, B: 9pF, C: 10pF, D: 12pF, F: 16pF, G: 18pF, H: 20pF, I: 30pF J: 32pF, S: series
<b>adjustment tolerance</b>	A: $\pm 5\text{ppm}$ , B: $\pm 10\text{ppm}$ , P: $\pm 15\text{ppm}$ , C: $\pm 20\text{ppm}$ , D: $\pm 25\text{ppm}$ , E: $\pm 30\text{ppm}$ , G: $\pm 50\text{ppm}$
<b>temperature tolerance</b>	A: $\pm 5\text{ppm}$ , B: $\pm 10\text{ppm}$ , P: $\pm 15\text{ppm}$ , C: $\pm 20\text{ppm}$ , D: $\pm 25\text{ppm}$ , E: $\pm 30\text{ppm}$ , G: $\pm 50\text{ppm}$
<b>temperature range</b>	I: $(-10 +60)^\circ\text{C}$ , C: $(-20 +70)^\circ\text{C}$ , L: $(-40 +85)^\circ\text{C}$ , J: $(-40 +105)^\circ\text{C}$ , H: $(-40 +125)^\circ\text{C}$

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**XT dimensions(mm)**



**ESR - equivalent series resistance**

frequency range(MHz)	cut/mode	esr(Ω)
24 ~ 40	AT1	<150
40 ~ 54	AT1	<100