

**[electrical specifications]**

parameters	conditions	minimum	standard	maximum	units
frequency range		3,20		66,0	MHz
frequency stability	@ +25°C	+/- 5	+/- 30	+/- 50	ppm
temperature tolerance	@ -20°C ~ +70°C @ -40°C ~ +85°C	+/- 10 +/- 25	+/- 30	+/- 50 +/- 100	ppm
operating temperature range		-40	-20 ~ +70	+85	°C
storage temperature range		-40	-40 ~ +85	+105	°C
shunt capacitance			7		pF
load capacitance	customer specified	10	16	series	pF
drive level			100	500	µW
aging	@ +25°C, per year	-5,0		+5,0	ppm

**[equivalent series resistance (ESR), mode of vibration (mode)]**

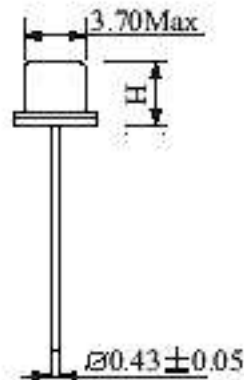
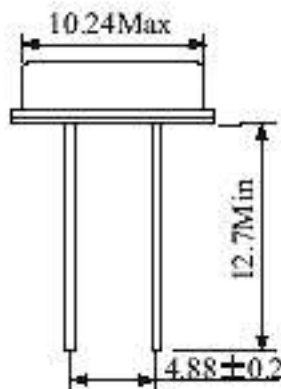
frequency range (MHz)	max. ESR (Ω)	mode	frequency range (MHz)	max. ESR (Ω)	mode
3,20 - 4,499	150	fundamental	9,0 - 9,999	60	fundamental
4,50 - 5,999	120	fundamental	10,0 - 12,999	50	fundamental
6,0 - 6,999	100	fundamental	13,0 - 29,999	40	fundamental
7,0 - 7,999	90	fundamental	30,0 - 66,0	80	3rd overtone
8,0 - 8,999	80	fundamental			

**[ordering key]**

type	- frequency	/ load capacitance	- frequency stability	- temperature tolerance	/ operating temperature
FT2A	value in MHz	value in pf	value in ppm	value in ppm	27 = -20°C ~ +70°C
		s for series			48 = -40°C ~ +85°C

**example:** FT2A-22,11840/16-30-30/27

**[mechanical dimensions (mm)]**



H = 3,50 max.