



ROHS COMPLIANT | PACKAGE: CERAMIC BASE, METAL COVER

### electrical specifications

parameters	conditions	minimum	standard	maximum	units
frequency range		4,0		100,0	MHz
frequency stability	@ +25°C	+/- 10	+/- 30	+/- 50	ppm
temperature tolerance	@ -20°C ~ +70°C	+/- 10	+/- 30	+/- 50	ppm
	@ -40°C ~ +85°C	+/- 30	+/- 50	+/- 100	
operating temperature range		-40	-20 ~ +70	+85	°C
storage temperature range			-40 ~ +85		°C
shunt capacitance			7		pF
load capacitance	customer specified	10	16	series	pF
drive level			100	300	µW
aging	@ +25°C, per year	-5,0		+5,0	ppm

### equivalent series resistance + mode of vibration

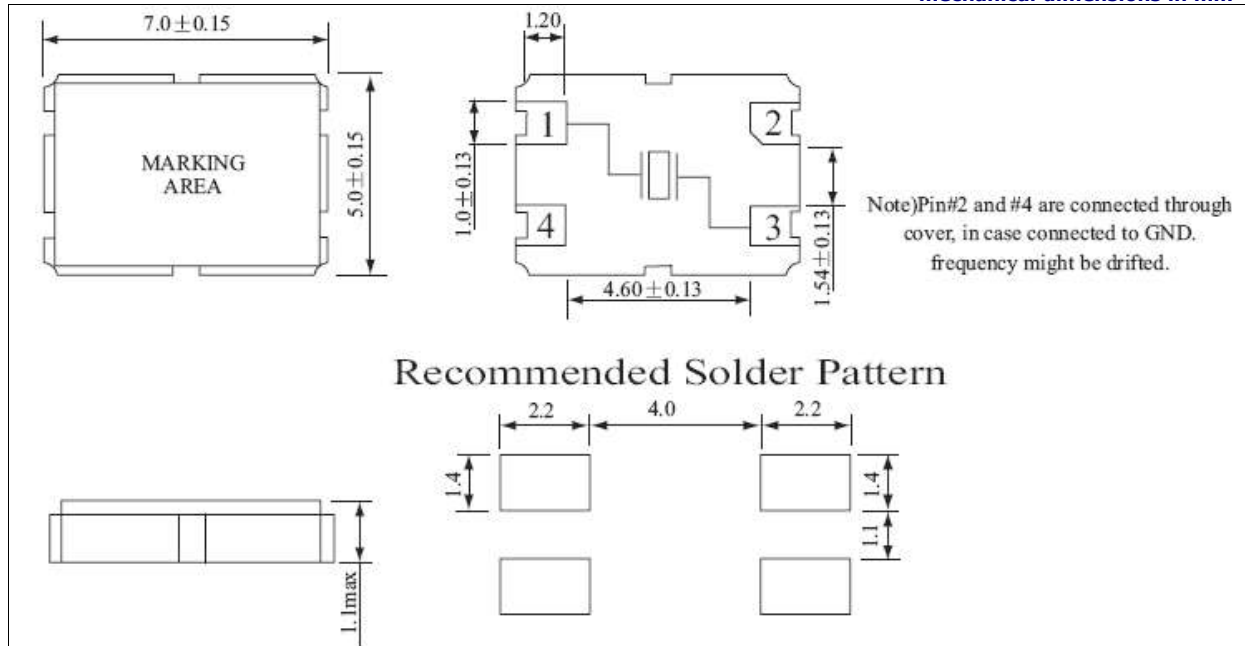
frequency range (MHz)	max. ESR (Ω)	mode	frequency range (MHz)	max. ESR (Ω)	mode
4,0 - 8,999	100	fundamental	12,0 - 15,999	60	fundamental
9,0 - 9,999	90	fundamental	16,0 - 39,999	40	fundamental
10,0 - 10,999	80	fundamental	40,0 - 83,999	70	3rd overtone
11,0 - 11,999	70	fundamental	84,0 - 100,0	60	3rd overtone

### ordering key

type	- frequency	/ load capacitance	- frequency stability	- temperature tolerance	/ operating temperature
FT7A	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: FT7A-10,0/16-30-30/27

### mechanical dimensions in mm



FT7A\_215