



# FREQTECH®

## FT13A

ROHS COMPLIANT | PACKAGE: CERAMIC BASE, METAL COVER

### electrical specifications

parameters	conditions	minimum	standard	maximum	units
frequency range	@ +25°C	13,0		54,0	MHz
frequency stability		+/- 10	+/- 50	+/- 50	ppm
temperature tolerance	@ -20°C ~ +70°C	+/- 10	+/- 50	+/- 50	ppm
	@ -40°C ~ +85°C	+/- 20	+/- 100	+/- 100	
operating temperature range		-40	-20 ~ +70	+85	°C
storage temperature range			-40 ~ +85		°C
shunt capacitance			5		pF
load capacitance	customer specified	7	16	20	pF
drive level			100		μW
aging	@ +25°C, per year	-5,0		+5,0	ppm

### equivalent series resistance + mode of vibration

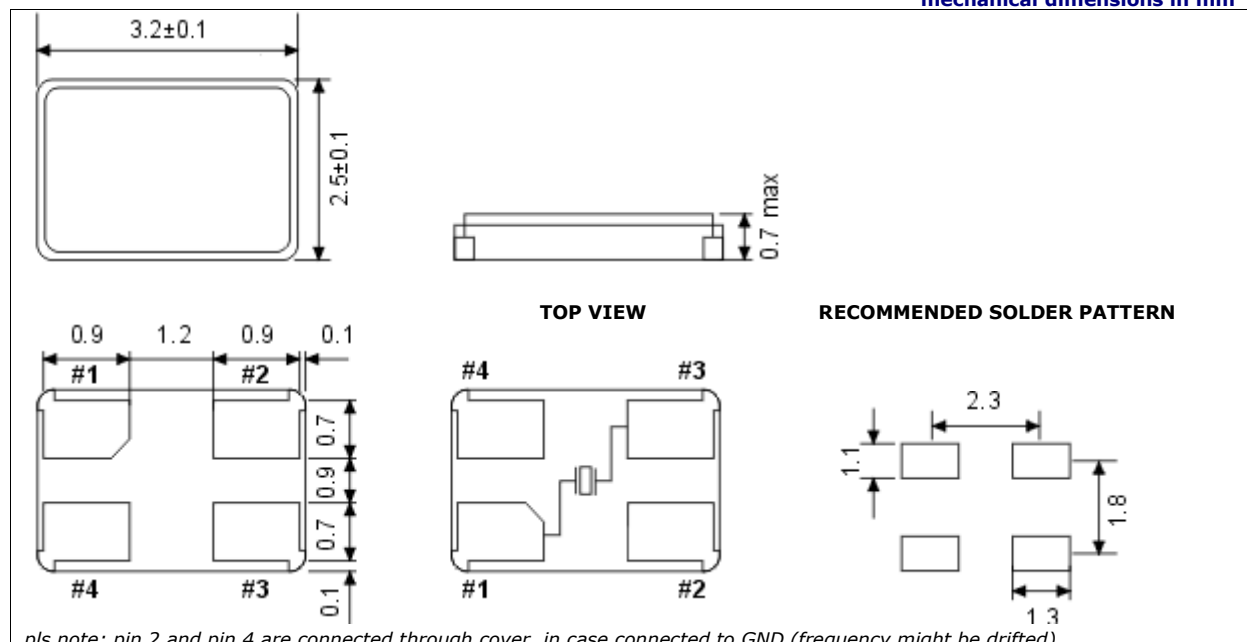
frequency range (MHz)	max. ESR (Ω)	mode	frequency range (MHz)	max. ESR (Ω)	mode
13,0 – 19,999	80	fundamental	26,0 – 54,0	50	fundamental
20,0 – 25,999	70	fundamental			

### ordering key

type	- frequency	/ load capacitance	- frequency stability	- temperature tolerance	/ operating temperature
FT13A	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: FT13A-24,0/16-30-30/27

### mechanical dimensions in mm



FT13A 215

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