

FEATURES

- TIGHT TOLERANCE / TIGHT STABILITY AVAILABLE
- HIGH RELIABILITY FOR LOW COST
- LOW PROFILE - 0.45 MM PACKAGE HEIGHT
- ULTRA MINIATURA SIZE AND LIGHTWEIGHT
- EXCELLENT CLOCK SIGNAL GENERATOR FOR CPU'S

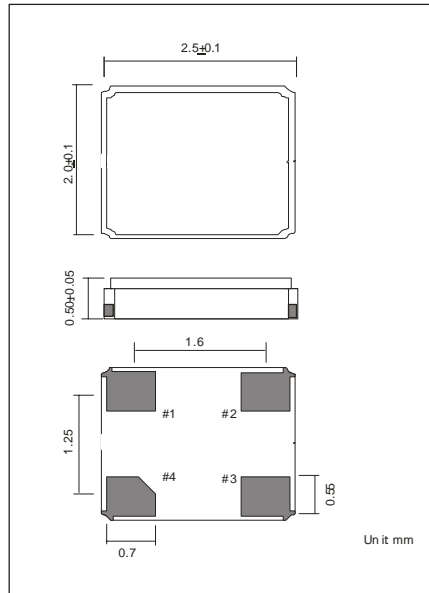


ULTRA-MINI-SMD-CRYSTAL SERIES	SMD02502/4	
FREQUENCY RANGE	13.560 ~ 60.0 MHz	
MODE OF VIBRATION	AT-FUNDAMENTAL	
RESONANCE RESISTANCE	13.560 ~ 16.0 MHz = 100 Ω max.	
	16.0 ~ 20.0 MHz = 80 Ω max.	
	20.0 ~ 60.0 MHz = 60 Ω max.	
FREQUENCY TOLERANCE AT 25°C	+10 ppm ~ +50 ppm	
WORKING TEMPERATURE RANGE	-10/+60°C ~ -30/+85°C	
TEMPERATURE STABILITY	+8 ppm	-10/+60°C / 0+70°C
	+12 ppm	-10/+60°C / 0+70°C / -20+70°C
	+15 ppm	-10/+60°C / 0+70°C / -20+70°C / -30+85°C
	+20 ppm	-10/+60°C / 0+70°C / -20+70°C / -30+85°C
	+30 ppm	-10/+60°C / 0+70°C / -20+70°C / -30+85°C
	+50 ppm	-10/+60°C / 0+70°C / -20+70°C / -30+85°C
LOAD CAPACITANCE	Series, 8pF, 10pF, 12pF	
DRIVE LEVEL	10 μW (100 μW max.)	
AGING	+2 ppm per year	
INSULATION RESISTANCE	>500 MΩ DC/100V +10%	
STORAGE TEMPERATURE	-40/+85°C	
PACKAGE	Tape and Reel (3.000 pcs per reel)	
OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION		

PART NUMBERING SYSTEM

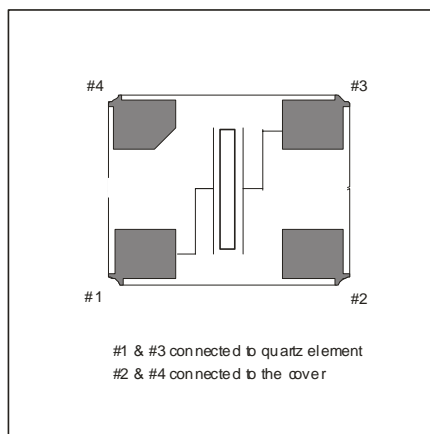
EXAMPLE	SMD02502/4 60.000 MHz 10/15/-30+85/10pF
TYPE	SMD02502/4
FREQUENCY	IN MHZ
FREQUENCY TOLERANCE AT 25°C	REQUIRED VALUE
TEMPERATURE STABILITY	REQUIRED VALUE
TEMPERATURE RANGE	REQUIRED VALUE
LOAD CAPACITANCE	REQUIRED VALUE

OUTLINE DRAWING

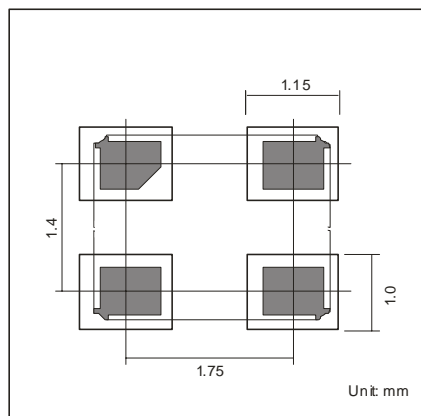


Unit: mm

INTERNAL CONNECTIONS



RECOMMENDED LAND PATTERN



Unit: mm