



FEATURES

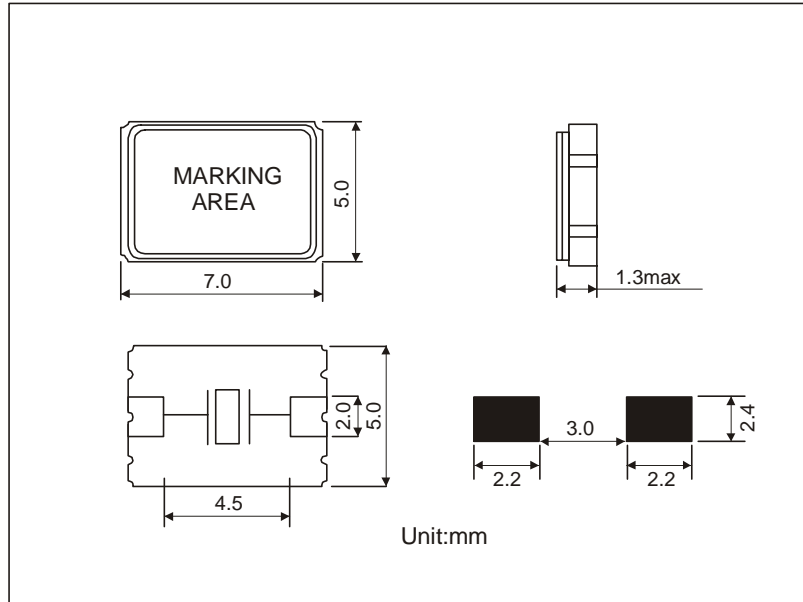
- CHEAPEST AVAILABLE SMD-CRYSTAL IN CERAMIC PACKAGE
- HIGH RELIABILITY FOR LOW COST / LARGE FREQUENCY SPECTRUM
- LOW PROFILE - 1.3 MM MAX. PACKAGE HEIGHT
- EXTENDED TEMPERATURE RANGE TO -40/+125°C AVAILABLE
- EXCELLENT CLOCK SIGNAL GENERATOR FOR CPU'S
- QUALIFIED FOR QUOTMOTIVE APPLICATIONS

MINI-SMD-CRYSTAL SERIES	SMD0507/2	2 Solder Pads	
	SMD0507/4	4 Solder Pads # 1 and 3 conected // # 2 and 4 ground	
FREQUENCY RANGE	6.0 ~ 45.0 MHz		36.0 ~ 121.0 MHz
MODE OF VIBRATION	AT-FUNDAMENTAL		3rd Overtone
RESONANCE RESISTANCE	80 ~ 40 Ω max.		80 Ω max.
FREQUENCY TOLERANCE AT 25°C	+5 ppm ~ +50 ppm		
TEMPERATURE RANGE	0/+50°C ~ -40/+125°C		
TEMPERATURE STABILITY	+3 ppm	0/+50°C	
	+5 ppm	0+50°C / -10/+60°C / 0/+70°C	
	+10 ppm	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C	
	+15 ppm	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/85°C	
	+20 ppm	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C	
	+30 ppm	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C	
	+50 ppm	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C / -40/+125°C	
LOAD CAPACITANCE	6 ~ 50 pF or Series		
SHUNT CAPACITANCE	7 pF max.		
DRIVE LEVEL	0.01 mW ~ 0.1 mW (optional 1.0 mW available)		
AGING	+2 ppm per year (optional +-1 ppm available)		
INSULATION RESISTANCE	>500 MΩ DC/100V +-10%		
STORAGE TEMPERATURE	-55/+125°C		
PACKAGE	Tape and Reel (1.000 pcs per reel)		
<u>OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION</u>			

PART NUMBERING SYSTEM

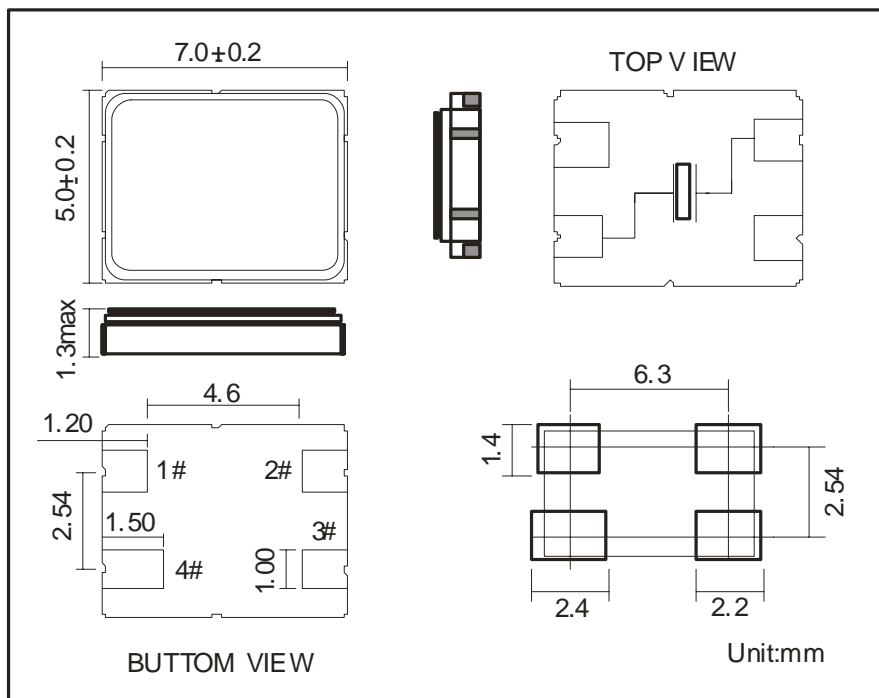
EXAMPLE	SMD0507/4 27.000 MHz 30/50/-40+85/20pF
TYPE	SMD0507/2 OR SMD0507/4
FREQUENCY	IN MHZ
FREQUENCY TOLERANCE AT 25°C	REQUIRED VALUE
TEMPERATURE STABILITY	REQUIRED VALUE
TEMPERATURE RANGE	REQUIRED VALUE
LOAD CAPACITANCE	REQUIRED VALUE

OUTLINE DRAWING OF SMD0507 WITH 2 SLODER PADS

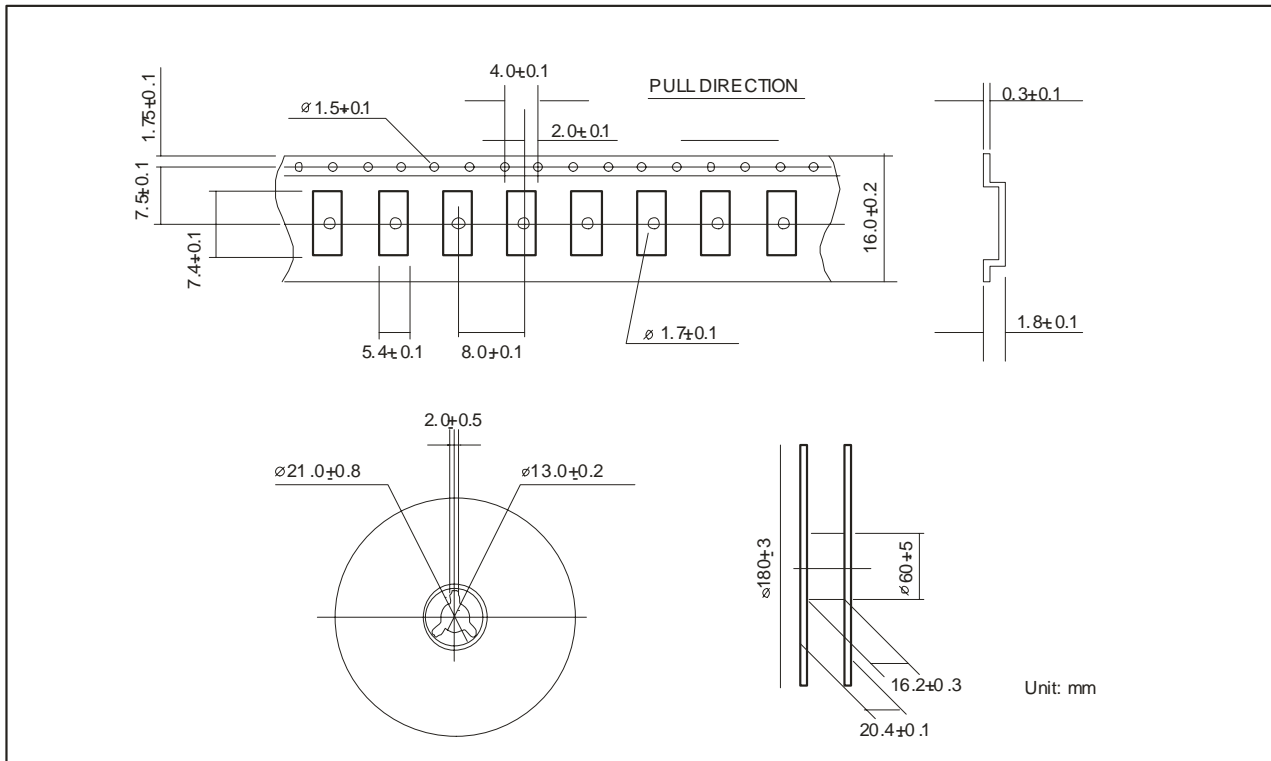


PLEASE DO NOT USE THE SMD0507/2 FOR NEW DESIGNS.
PLEASE ONLY USE SMD0507/4 FOR NEW DESIGNS.

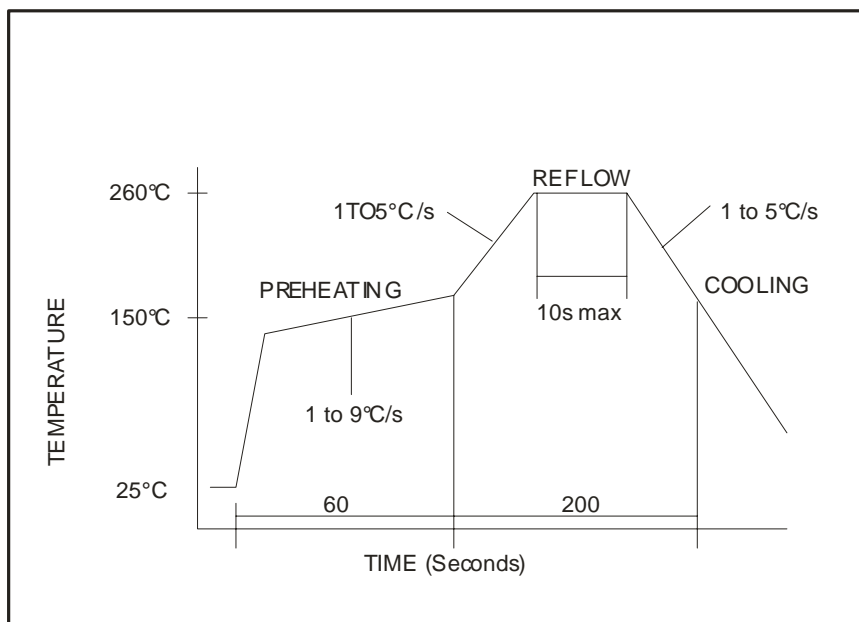
OUTLINE DRAWING OF SMD0507 WITH 4 SLODER PADS



REEL SPECIFICATION



REFLOW SOLDER PROFILE



Crystals can be soldered according to the norm JEDEC J-STD-020C.