

FEATURES

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

PETERMANN

TECHNIK

Time & Frequency Components



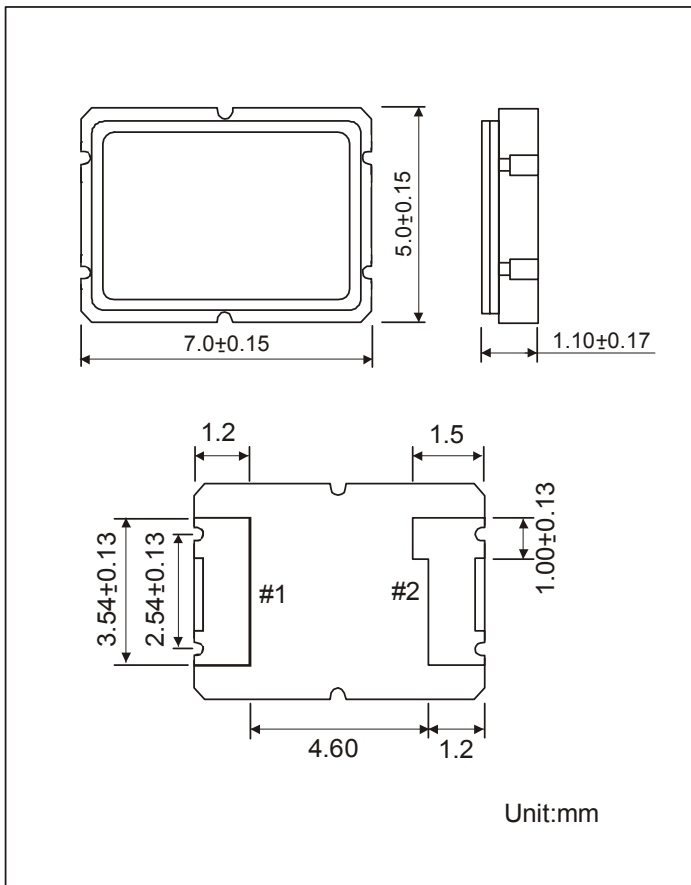
SERIES	SMD0507/2	2 SOLDER PADS
	SMD0507/4	4 SOLDER PADS # 1 AND 3 CONNECTED // # 2 AND 4 GROUND
FREQUENCY RANGE	7.3728 ~ 45.0 MHz	32.0 ~ 121.0 MHz
MODE OF VIBRATION	AT-FUNDAMENTAL	3rd OVERTONE
RESONANCE RESISTANCE	60 Ω MAX.	80 Ω MAX.
FREQUENCY TOLERANCE AT 25°C	+5 PPM ~ +50 PPM	
TEMPERATURE RANGE	0/+50°C ~ -40/+125°C	
TEMPERATURE STABILITY	+5 PPM	0+50°C / -10/+60°C / -20/+70°C
	+10 PPM	0+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°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
	+100 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 ~ 1.0 mW	
AGING	+2 PPM PER YEAR (+1 PPM PER YEAR POSSIBLE)	
INSULATION RESISTANCE	>500 MΩ DC/100V +10%	
STORAGE TEMPERATURE	-55/+125°C	
PACKAGE	TAPE AND REEL (1.000 PCS PER REEL)	

OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION

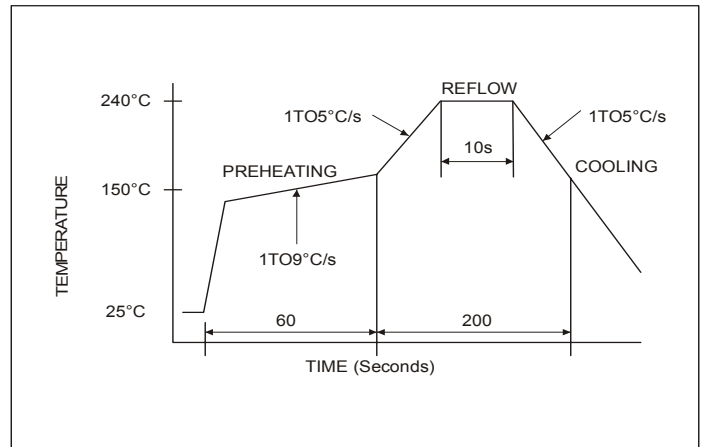
PART NUMBERING SYSTEM

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

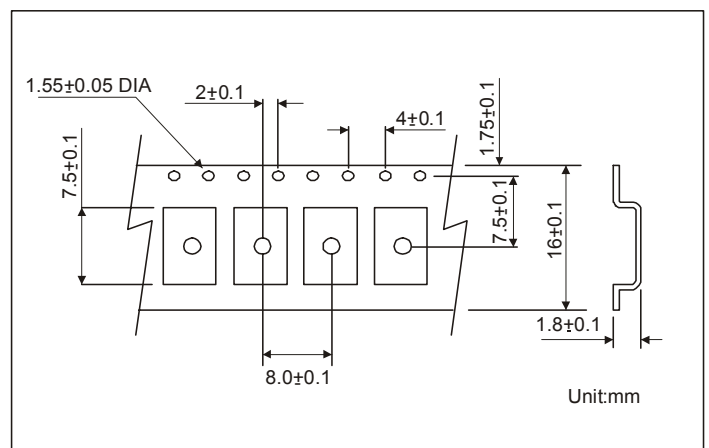
OUTLINE DRAWING OF SMD0507/2



REFLOW SOLDER PROFILE



TAPING SPECIFICATION



OUTLINE DRAWING OF SMD0507/4

