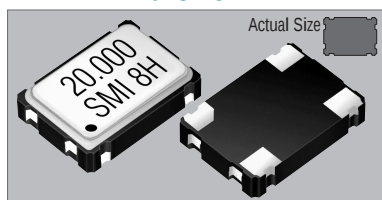
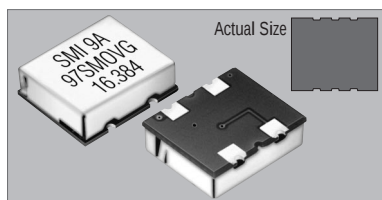


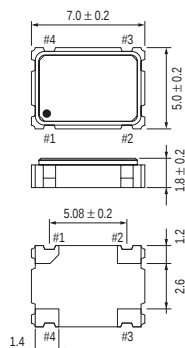
97SMOV



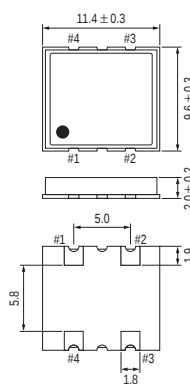
97SMOVG



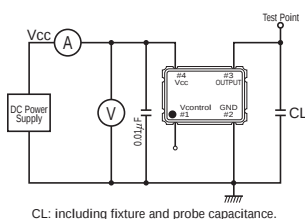
97SMOV



97SMOVG



TEST CIRCUIT



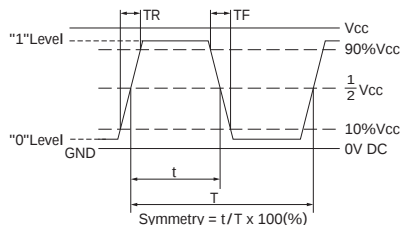
STANDARD SPECIFICATIONS

Part No.	97SMOV	97SMOVG
Frequency Range	8.000 MHz to 40.000 MHz	10.000 MHz to 55.000 MHz
Frequency Stability	± 30 ppm	± 30 ppm
Frequency Control Range	97SMOV(A) ± 50 ppm min. at VC = +2.5V DC ± 2.0V 97SMOV(B) ± 75 ppm min. at VC = +2.5V DC ± 2.0V	97SMOVG(A) ± 50 ppm min. 97SMOVG(B) ± 75 ppm min. 97SMOVG(C) ± 100 ppm min.
Operating Conditions		
Operating temperature	-10°C to +70°C	-10°C to +70°C
Storage temperature	-30°C to +85°C	-40°C to +85°C
Input voltage (Vcc)	+5V DC ± 0.25V	E: +5V DC ± 0.25V or C: +3.3V DC ± 0.165V
Control voltage (VC)	+2.5V DC ± 2.0V	E: +2.5V DC ± 2.0V or C: +1.65V DC ± 1.5V
Input Current	25 mA max.	35 mA max.
Output (-10°C to +70°C)		
Symmetry	50% ± 10% at 1/2Vcc level	50% ± 10% at 1/2Vcc level
Rise and fall times	10 ns max.	10 ns max.
"0" Level	Vcc × 0.1V max.	Vcc × 0.1V max.
"1" Level	Vcc × 0.9V min.	Vcc × 0.9V min.
Load	15 pF max.	15 pF max.
Frequency Linearity	± 10% (Positive Slope)	± 10% (Positive Slope)
Start-up Time	10 ms max.	10 ms max.

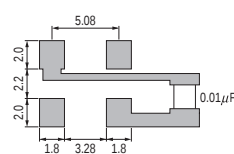
PACKAGE DATA

Item	Package	97SMOV	97SMOVG
COVER		Metal	Metal
BASE		Ceramic	Grass epoxy PCB
SEALING		Seam-weld	Solder
TERMINAL PLATING		Gold	Gold

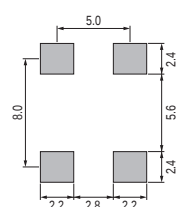
OUTPUT WAVEFORM



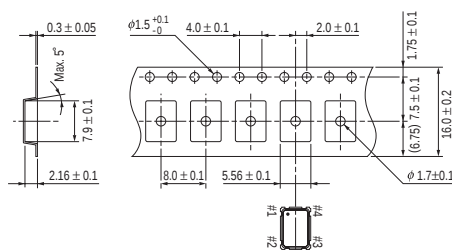
SOLDERING PATTERN for 97SMOV



SOLDERING PATTERN for 97SMOVG

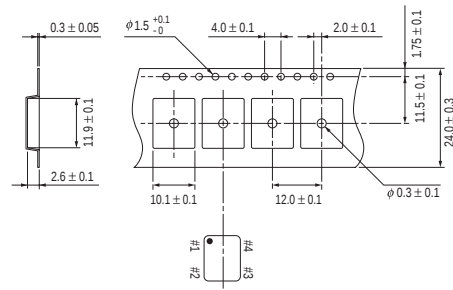


TAPE SPECIFICATIONS for 97SMOV



1000pcs. per reel (254mm dia.)

TAPE SPECIFICATIONS for 97SMOVG



1000pcs. per reel (254mm dia.)