

MVS Series
Miniature SMD VCXO

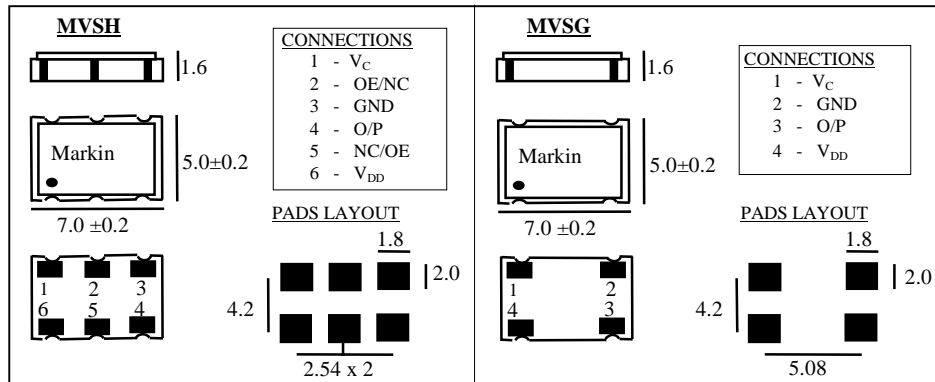
- FEATURES**
- . 7 x 5 x 1.6mm (4 & 6 pads)
 - . Wide Pull/Temp. Range
 - . 5V and 3.3V / Tri-State / Low Power

- APPLICATIONS:**
- . Wireless/GPS
 - . Digital TVs/Videos
 - . DVD Players

SPECIFICATIONS (subject to change w/o notice)

Parameters	5V	3.3V
Frequency Range	2.000MHz ~ 80MHz	2.000MHz ~ 80MHz
Operating Temp Range	0°C ~ +50°C to -40°C ~ +85°C	0°C ~ +50°C to -40°C ~ +85°C
Storage Temp	-40°C ~ +85°C	-40°C ~ +85°C
Supply Voltage	V _{DD} : 5V ± 5%	V _{DD} : 3.3V ± 5%
Supply Current (max)	10mA @ 2MHz ~ 30mA @ 60MHz	10mA @ 2MHz ~ 25mA @ 60MHz
Freq. Stability (max)	±10/20/30/50ppm (inclusive of all variations)	±10/20/30/50ppm (inclusive of all variations)
Freq. Pullability (min)	±20/30/50/100/150ppm	±20/30/50/100/150ppm
Linearity	5 ~ 20 %	5 ~ 20% standard
Control Voltage V _C	2.5V ± 2.0/2.5V	1.5V/1.65V ± 1.5V
Output Load	5TTL/15pF	15pF
Duty Cycle	40/60% ~ 45/55%	40/60% ~ 45/55%
Output Level	V _L = 0.4V/10% V _{DD} max, TTL/HCMOS load V _H = 2.4V/90% V _{DD} min, TTL/HCMOS load	V _L = 10% V _{DD} max, HCMOS load V _H = 90% V _{DD} min, HCMOS load
Rise/Fall Time	5ns max	5ns max
Start-up Time	10ms max	10ms max
Period Jitter (RMS)	7ps typical	7ps typical

OUTLINE
(mm) not to scale



PART NUMBERING

Model	Supply	Frequency	Stability	Pullability	Temperature	Duty Cycle	Output	Packaging
MVSH	5: 5V	MHz	5: 50ppm	U: 150ppm	Blank: -10C~+60C	Blank: 40/60%	Blank: CMOS/TTL	Blank: Bulk
MVSG	3.3: 3.3V	Value	3: 30ppm	D: 100ppm	M: -20C~+70C	T: 45/55%	H: HCMOS	R: Tape & Reel
			2: 20ppm	C: 50ppm	N: -30C~+75C			
			1: 10ppm	B: 30ppm	I: -40C~+85C			
				A: 20ppm				

Example: MVSG5-12.288-5DM

Please Consult Microcom Devices Ltd. for Custom Specifications