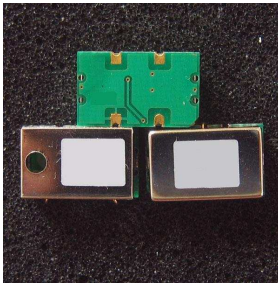
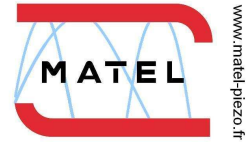


# SMD VCXO 14X9 VH-11 & VH-21



FEATURES
1MHz to 800 MHz 14X9 CMS HCMOS
APPLICATIONS
Datcoms Switching

## Electrical Parameters

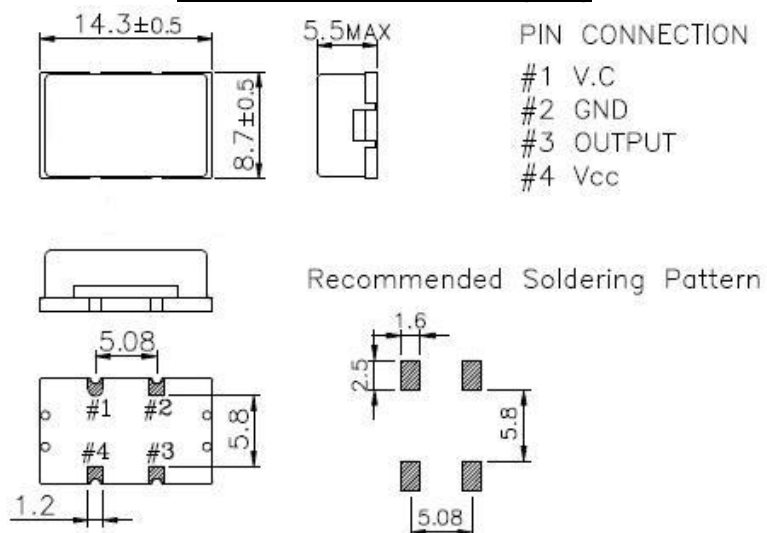
Parameters	Conditions	VH-11	VH-21
Frequency Range		1MHz ~ 800 MHz	
Frequency Calibration	At 25°C	±10 ppm	
Frequency Stability	Over TOPR	± 15 ppm, ± 25 ppm, ± 50 ppm	
Stability vs.power change	VDD ± 5%	±3 ppm	
Stability vs.load change	15pF ±10%	±3 ppm	
Pullability	Over Control Voltage Range	±50ppm, ±100ppm, ±150ppm	
Control Voltage Range		0~5V	0.15~3.15V
Operating Temperature Range		0 ~ 70°C , -20 ~ 70°C , -40 ~ 85°C	
Storage Temperature Range		-55°C ~ 125°C	
Power Supply Voltage		+5V ± 5%	+3.3V ± 5%
Ageing (First Year)	25°C ± 3°C	± 3 ppm Max	
Supply Current	1MHz to 39.999 MHz	15 mA Max	
	40 to 99.999 MHz	30 mA Max	
	100 to 800 MHz	100 mA Max	
Output Symmetry	At ½ VDD	40/60% (45/55% option)	
Rise Time	20% VDD ~ 80% VDD	10 nS Max	
Fall Time	80% VDD ~ 20% VDD	10 nS Max	
Output Voltage		90% VDD Min	
		10% VDD Max	
Output Load HCMOS Load		15 pF Max	
Start-up Time		10 mS Max	

## Ordering Code

Temperature Range	Code	Stability	Code	Internal Code	Pullability	Code	Option	Code
0 + 70°C	B	± 15 ppm	F	0	± 50 ppm	6	45 / 55%	S
- 20 + 70°C	E	± 25 ppm	D		± 100ppm	1		
- 40 + 85°C	H	± 50 ppm	C		± 150 ppm	2		

Example : **VH-11BD01** 16.384MHz

## Mechanical Dimensions (mm)



**SMD VCXO**

TYPE	VH-11 & VH-21	REVISION	02	CHECKED	PB	DATE	02/03/2015
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All specifications are subject to change without notice