



BSMFS SERIES OSCILLATOR

SINEWAVE OUTPUT, SMD FR-4 PKG.



- SMD FR-4 PakagClock Oscillator (VCXO)
- SINEWAVE Output
- 3.3VDC or 5.0VDC Supply Voltage
- **RoHS Compliant**
- Wide Available Frequency Range (8 to 600MHz)
- -40 to +85°C Temperature Range Available
- Open Crystal Design
- Wide Selection Of Pull Range Options

BVFS VCXO SERIES ELECTRICAL SPECIFICATIONS

Frequency Range	8.0 to 600.0MHz						
Crystal Design	Open Crystal						
Output Wave Form	SINEWAVE						
Supply Current	10mA Max @ 20MHz						
Output Load	50 Ohms						
Output Level	0-7dBm						
Start-up time	10 ms Maximum						
Rise and Fall time	10ns Max						
Enable/Disable Time	100 ns Maximum						
Supply Voltage (Vcc)	5Vdc ±5%				3.3Vdc ±5%		
Frequency Stability	±10ppm	±15ppm	±20ppm	±25ppm	±50ppm	±100ppm	
Temperature Range (°C)	0 to 50°C	Available	Available	Available	Available	Available	Available
	0 to 70°C	Available	Available	Available	Available	Available	Available
	-10 to 60°C	Available	Available	Available	Available	Available	Available
	-10 to 70°C	Available	Available	Available	Available	Available	Available
	-20 to 70°C	Contact Us	Available	Available	Available	Available	Available
	-30 to 75°C	Contact Us	Contact Us	Available	Available	Available	Available
	-40 to 85°C	Contact Us	Contact Us	Available	Available	Available	Available
Frequency Stability	Vs. Supply Voltage	±1.0ppm (Vcc ±5% change)					
	Vs. Load Changes	±1.0ppm (Load ±5% change)					
	Vs. Aging	±1.0ppm					
Storage Temperature	-55 to 125°C						
SSB Phase Noise@25°C	Offset	10 Hz	100Hz	1 kHz	10 kHz	100 kHz	
	3.3V-51.840MHz	-82dBc/Hz	-115dBc/Hz	-140 dBc/Hz	-150 dBc/Hz	-155 dBc/Hz	
	3.3V-155.52MHz	-80dBc/Hz	-110dBc/Hz	-125 dBc/Hz	-135 dBc/Hz	-142 dBc/Hz	

BVFT SERIES VCXO PART NUMBER GUIDE

MODEL	# of Pads	STABILITY	Voltage	OPERATING .TEMP(°C)	Pin#2 Options (6-pad only)	FREQ
BSMFS	4=4 pads	10=±10ppm	5 =5.0V	B =0~50°C	Blank= N/C	
	6=6 pads	15=±15ppm	33=3.3V	A =0~70°C	E=Enable/Disable	
		20=±20 ppm		C=-10~60°C		
		25=±25ppm		H=-10~70°C		
		50=±50ppm		D=-20~70°C		
		00=±100ppm		E =-30~75°C		
				M=-40~ 85°C		
BVFT	4	10	33	A		10.0MHz

TYPICAL APPLICATIONS

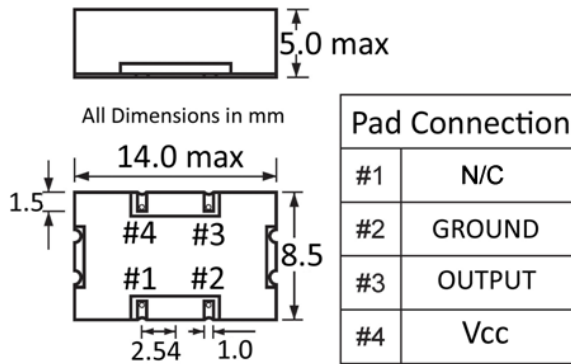
Vibration Environment
 Airborne and Mil Equipment
 Portable Equipment
 Tactical Weapons

BSMFS SERIES OSCILLATOR

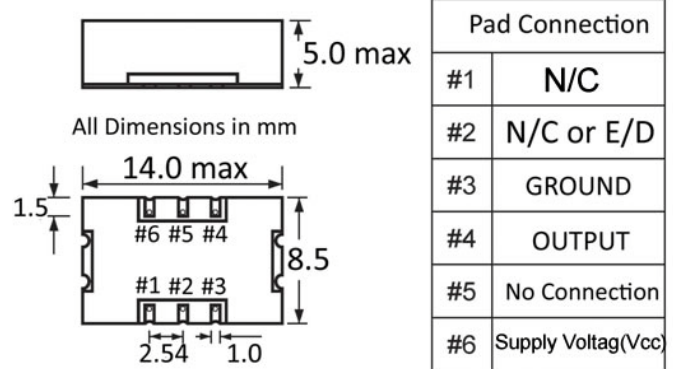
SINEWAVE OUTPUT, SMD FR-4 PKG.



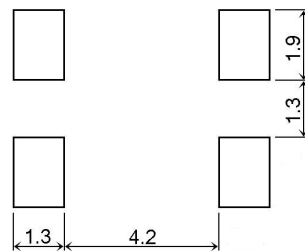
FR-4 (4 PAD PACKAGE)



FR-4 (6 PAD PACKAGE)



4-PAD LAND PATTERN



6 PAD LAND PATTERN

