

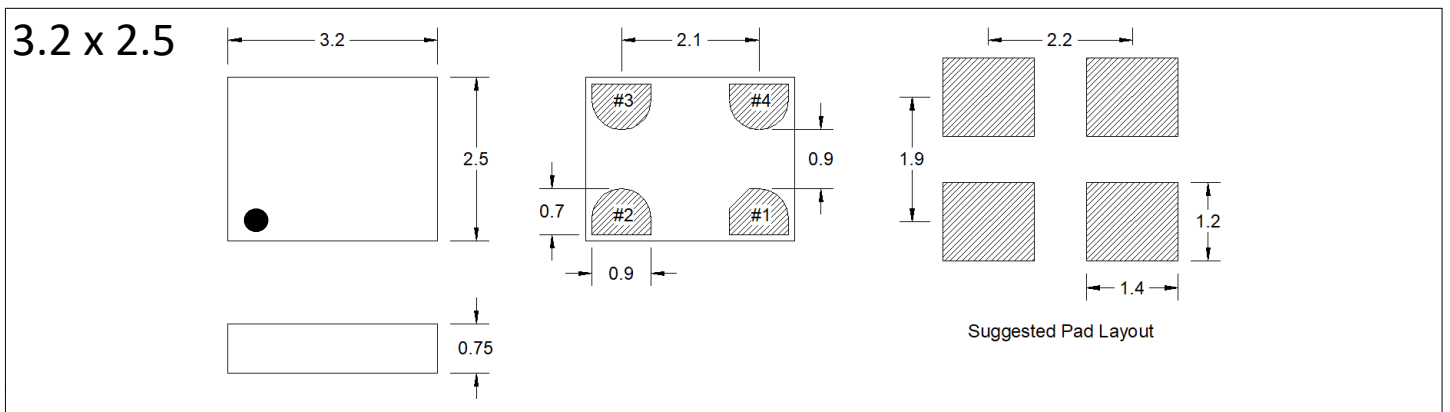
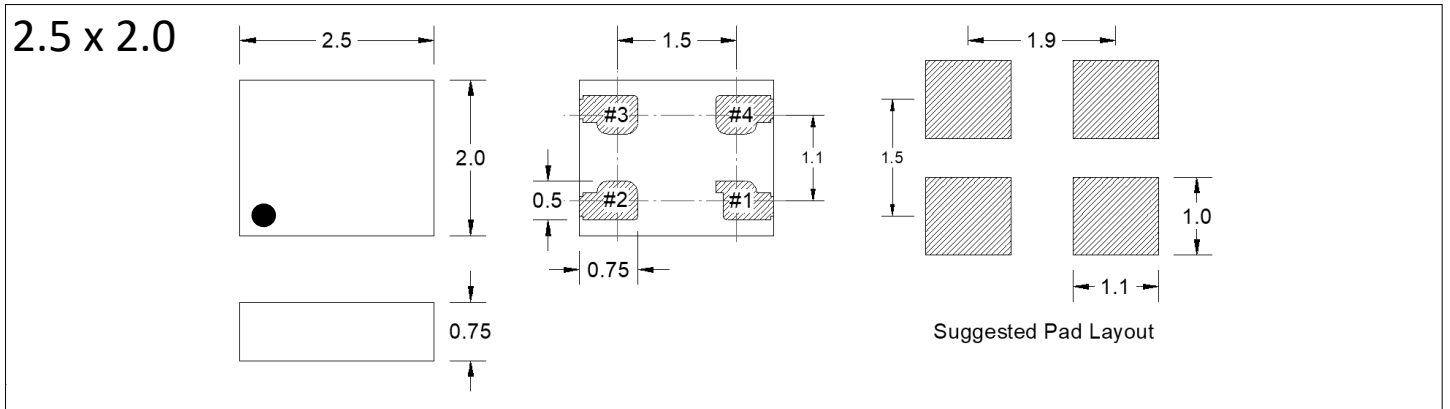
Please see over for
additional packages

Pin Connections		Functionality
Pin 1	OE (Output Enable)	H: Specified frequency output L: Output is high impedance
	STB (Standby)	H: Specified frequency output L: Output is low
	NC (No Connect)	Pin 1 no function
	SD (Spread Disable)	H: Spread = ON L: Spread = OFF
Pin 2	Ground	Electrical Ground
Pin 3	Output	Oscillator Output
Pin 4	V _{CC}	Power Supply Voltage

Series Number	MEMS 9005	
Output Type	LVCMOS	
Frequency Range	1.0 ~ 141 MHz	
Supply Voltage	1.8V ~ 3.3V	
Frequency Stability	±20 ppm ~ ±50 ppm	
Current Consumption	6.5mA Max.	
Standby Current	4.3µA Max.	
OE Disable Current	6.5mA Max.	
Operating Temperature	-20 ~ +70°C / -40 ~ +85°C	
Duty Cycle	45 ~ 55%	
Rise / Fall Time	2.5ns Max.	
Voltage Vol (Max) / Voh (Min)	10% V _{CC} / 90% V _{CC}	
Voltage Vil (Max) / Vih (Min)	30% V _{CC} / 70% V _{CC}	
Input Pull-up Impedance	150KΩ Max. (Pin 1 OE Logic High, Logic Low, or STB Logic High)	
	2MΩ Min. (Pin 1 STB Logic Low)	
Start-up Time	5ms Max.	
Enable / Disable Time	180ns Max.	
Resume Time	5ms Max.	
Spread Enable Time	4µs Max.	
Spread Disable Time	50µs Max.	
Cycle to Cycle Jitter	22ps Max.	
Storage Temperature	-65 ~ +150°C	
Tape & Reel	2.0 x 1.6, 2.5 x 2.0, 3.2 x 2.5	3000 Units / Reel

Note: The above specifications are typical only. Please contact our Sales Department for specific requirements.





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