

### 3.3V HCMOS, CERAMIC, SMD, VCXO

**MODEL: FVM Series**

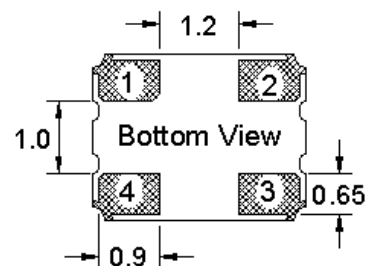
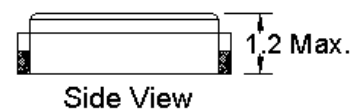
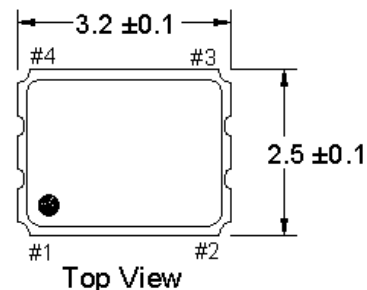
RoHS – REACH Compliant / Pb Free

Rev. 11/26/2013

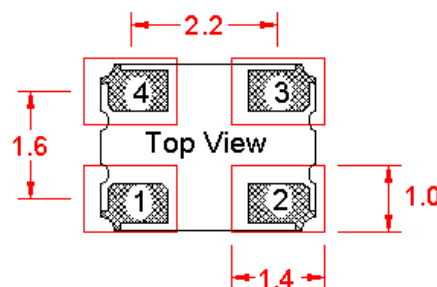
Need a  
Sample

#### Part Number Selection

Part Number	Model Number	Operating Temp (°C)	Frequency Range (MHz)
859-Freq-xx	FVM25AXT	-10~ +70	1.000 ~ 50.000
859A-Freq-xx	FVM25AXTR	-40 ~ +85	1.000 ~ 50.000



#### Recommended Soldering Pad Layout



#### Pin Connections

#1 Vc      #3 Output  
#2 GND    #4 V<sub>DD</sub>

#### Specifications

Parameter	Max unless otherwise specified
Frequency Range (F <sub>0</sub> )	1.000 ~ 50.000 MHz
Storage Temperature Range (T <sub>STG</sub> )	-55°C ~ +125°C
Frequency Stability <sup>1,3</sup>	± 50 PPM
Pullability <sup>3</sup>	±100 PPM Min
Supply Voltage (V <sub>DD</sub> )	3.3V ± 10%
Control Voltage (V <sub>c</sub> ) <sup>2</sup> , V <sub>DD</sub> =3.3V	1.65V±-1.5V
Input Current (I <sub>DD</sub> )	30 mA
Output Symmetry (50% V <sub>DD</sub> )	40% ~ 60%
Rise Time (10% ~ 90% V <sub>DD</sub> ) (TR)	5 nS
Fall Time (90% ~ 10% V <sub>DD</sub> ) (TF)	5 nS
Output Voltage (V <sub>OL</sub> )	10%V <sub>DD</sub>
(V <sub>OH</sub> )	90%V <sub>DD</sub> Min
Output Load (HCMOS)	15 pF
Start-up Time (mS)	10mS
Aging per Year	±5 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish:	Au

<sup>1</sup> Inclusive of 25°C tolerance, operating temperature range, and V<sub>c</sub> = 50%V<sub>DD</sub>.

<sup>2</sup> For proper operation, a control voltage (V<sub>c</sub>) must be applied to pin 1.

<sup>3</sup> Other stabilities and pullabilities available. Contact Fox Technical Support for details.

NOTE: A 0.01μF bypass capacitor should be placed between V<sub>DD</sub> (Pin4) and GND (Pin 2) to minimize power supply line noise.  
Specifications subject to change without notice.