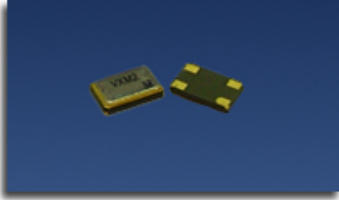

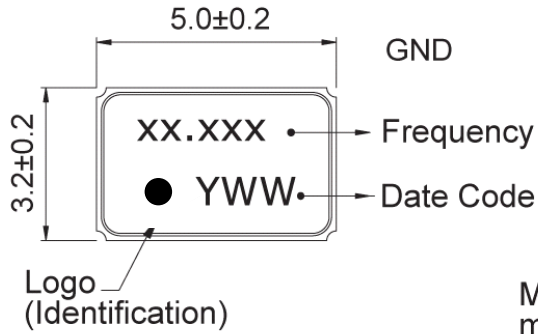


## VXM2 Ultra Miniature SMD Crystals

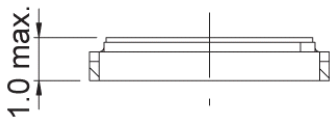


Product is compliant to RoHS directive  and fully compatible with lead free assembly

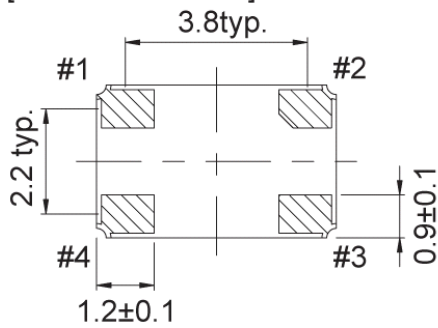
<b>Package:</b>	5.0 x 3.2 x 1.0 mm tall 4 pads
<b>Frequency Range:</b>	12.0 MHz to 45.0 MHz
<b>Mode:</b>	1 = Fundamental
<b>Stability:</b>	<p>A = ± 100 PPM from - 20°C to + 70°C</p> <p>B = ± 50 PPM from - 20°C to + 70°C</p> <p>C = ± 100 PPM from - 40°C to + 85°C</p> <p>D = ± 50 PPM from - 40°C to + 85°C</p> <p>E = ± 25 PPM from - 20°C to + 70°C</p> <p>F = ± 30 PPM from - 20°C to + 70°C</p>
<b>Load Capacitance (CL):</b>	<p>0 = Series Resonant</p> <p>1 = 16 pF</p> <p>2 = 20 pF</p> <p>3 = 32 pF</p> <p>4 = 18 pF</p> <p>5 = 10 pF</p> <p>6 = 30 pF</p>
<b>STD Calibration Tolerance:</b>	± 10 ppm at +25 ± 3°C
<b>ESR:</b>	60 Ohms Maximum
<b>Shunt Capacitance (Co):</b>	7 pF Maximum
<b>Drive Level:</b>	10 to 100 uW
<b>Aging:</b>	± 1 PPM/ year
<b>Standard Packaging:</b>	Tape and Reel (1000 pcs minimum)
<b>Typical P/N:</b>	<b>VXM2-1B2-28M224</b>
	<p>M2 = 5.0 x 3.2 x 1.0 mm 4 pads</p> <p>1 = Fundamental Mode</p> <p>B = ± 50 PPM -20°C to + 70°C</p> <p>2 = 20 pF load</p>



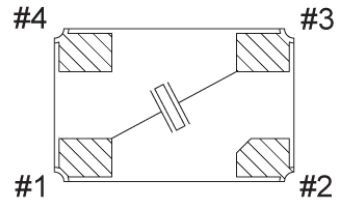
[ SIDE VIEW ]



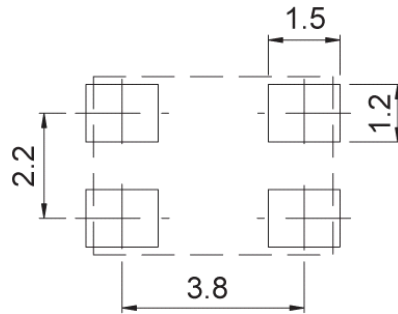
[ BOTTOM VIEW ]



[ TOP VIEW ]



Marking #2 and #4 are connected to metal cap of top



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