http://www.vectron.com/

VXM1 Ultra Miniature SMD Crystals

Package:	5.0 x 3.2 x 1.3 mm tall 2 pads
Frequency Range:	12.0 to 60 MHz
Mode:	**1 =** Fundamental
Stability:	**A** = ± 100 PPM - 20°C to + 70°C **B** = ± 50 PPM - 20°C to + 70°C **C =** ± 100 PPM - 40°C to + 85°C **D** = ± 50 PPM - 40°C to + 85°C **E** = ± 25 PPM - 20°C to + 70°C **F** = ± 30 PPM - 20°C to + 70°C
Load Capacitance (CL):	**0 =** Series Resonant **1 =** 16 pF **2 =** 20 pF **3** = 32 pF **4 =** 18 pF **5 =** 10 pF **6 =** 30 pF
STD Calibration Tolerance:	± 30 ppm at +25C
ESR:	150 ~ Max. for 10 to 12 MHz, 100 ~ Max. for 12 to 16 MHz 70 ~ Max. for 16 to 30 MHz, 50 ~ Max. 30 to 60 MHz
Shunt Capacitance Co:	7 pF Maximum
Drive Level:	10 to 100 uW
Storage Temperature:	-40C to +85C
Standard Packaging:	Tape & Reel (1000 pcs minimum)
Typical P/N:	**VXM1-1 B2-28M224** **M1** = 5 x 3.2 x 1.3 mm 2 pads **1** = Fundamental Mode **B** = ± 50 PPM -20°C to + 70°C **2** = 20 pF load

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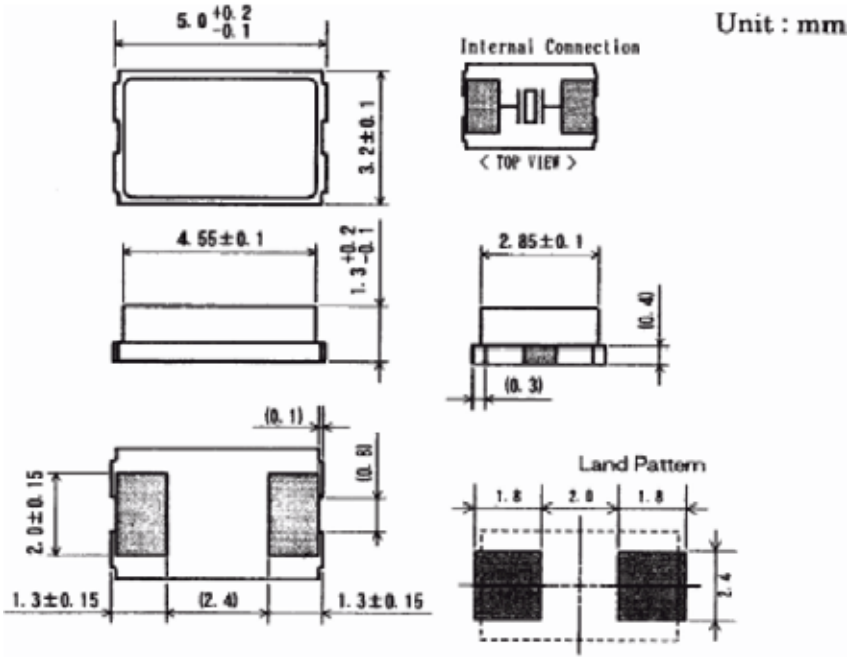
Unit : mm
5.0 +0.2 -0.1
3.2±0.1
Internal Connection
< TOP VIEW >
4.55±0.1
1.3 +0.2 -0.1
2.85±0.1
(0.4)
(0.3)
(0.1)
(0.8)
2.0±0.15
Land Pattern
1.8
2.0
1.8
2.4
1.3±0.15
(2.4)
1.3±0.15