



BW84 SERIES CRYSTAL - 8.0 x 3.8mm SMD

Frequency Range	32.768kHz
Load Capacitance (CL)	Standard (12.5pF, 6pF) User Spec
Frequency Tolerance (25 °C)	±20 ppm Standard, User Spec
Frequency Stability	-0.034ppm/ 25°C ² ±0.006ppm
Motional Resistance (ESR)	40kΩ max
Shunt Capacitance (CO)	1.45pF typical
Motional Capacitance (C1)	0.0028pF typical
Drive Level (DL)	1.0μW max
Quality Factor (Q)	60,000 typical
Operating/ Storage Temperature Range	-40 °C to +85°C
Aging	±5 ppm per year max
Insulation Resistance	500MΩ min at 100Vdc ± 15V

PART NUMBERING GUIDE

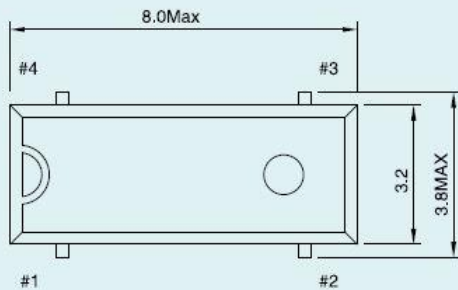
Series	Tolerance	Load	Freq
BW84	±5ppm = A	06 = 6pF	32K768
	±10ppm = B	12.5 = 12.5pF	
	±15ppm = C	XX = User Spec	
	±20ppm = D		

For other Tolerance, Stability, and Temperature options please consult factory

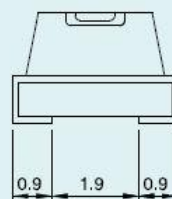
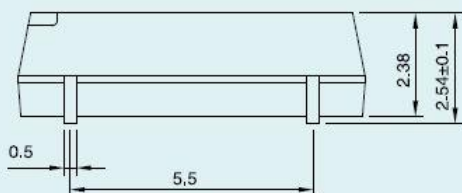
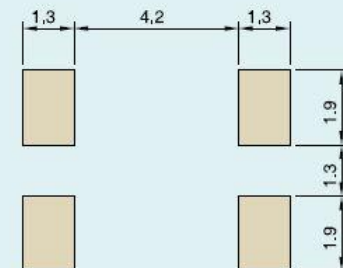
Example P/N: BW84 – A – 12.5 – 32K768

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MECHANICAL DRAWING



• Recommended Soldering Pattern



• Electrode Arrangement

