

NMP3 Series

SMD Crystal

Size, mm

8.0 x 3.6 x 2.7

Frequency Stability

±20 PPM

Temperature Range

-20°C to 70°C

Frequency Range

32.768 kHz

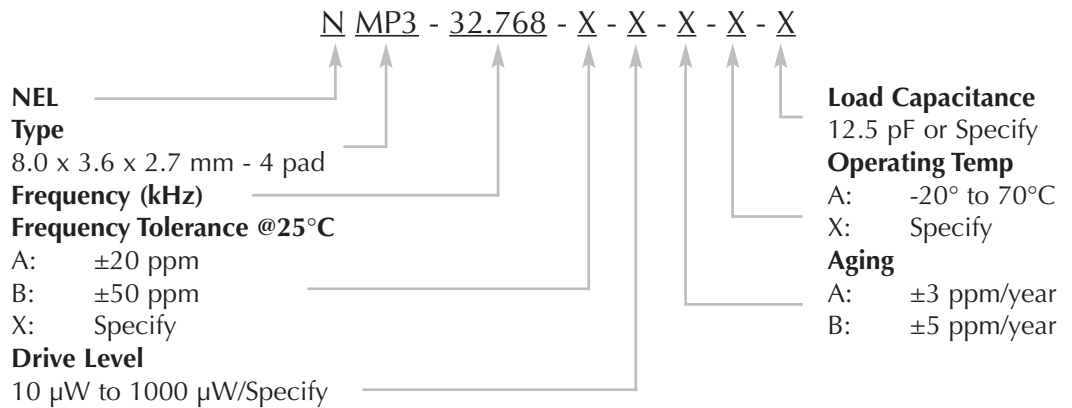
Features

- Meets NEL requirements for product reliability
- Small size and low profile
- Frequency: 32.768 kHz
- Excellent vibration and shock resistance
- Plastic package

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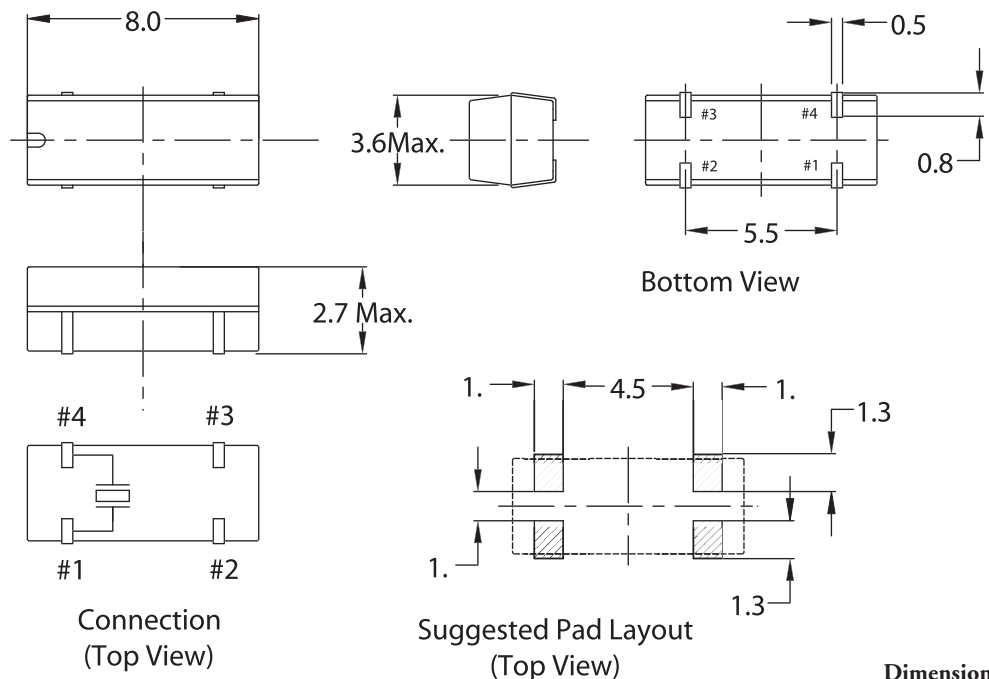
Creating a Part Number



Electrical Specifications

Frequency Range	32.768 kHz
Frequency Tolerance at 25°C 5°C	±20 ppm, ±50 ppm, or specify
Temperature Coefficient (Freq)	-0.04 X 10 ⁻⁶ /°C ² Max
Load Capacitance	12.5 pF (Std) or specify
Temp. Range	-30°C to 85°C
Storage Temp	-30°C to 85°C
Operating Temp	-20°C to 70°C or specify
Drive Level	Maximum: 1000 μW Recommended: 10 μW to 100 μW (specify)
Series Resistance	50 k Ω Max
Motional Capacitance	1.8 fF Max
Shunt Capacitance	0.8 pf Max
Insulation Resistance	500 M Ω Min
Aging @ 25°C	±3 ppm/Year (Typ)/ ±5 ppm/Year (Max)
Soldering Condition	Twice at under 260°C within 10 sec./under 230°C with 3 minutes
Shock Resistance	±10 ppm Max

Drawing Specifications



For the most up to date specifications on each NEL product, log on to our website—www.nelfc.com

Dimensions shown in millimeters.