NF8 Series

SMD Crystal

Size, mm 8.0 x 4.5 x 1.5 Frequency Stability ±30 PPM Temperature Range -10°C to 70°C Frequency Range 8.0-80.0 MHz

Features

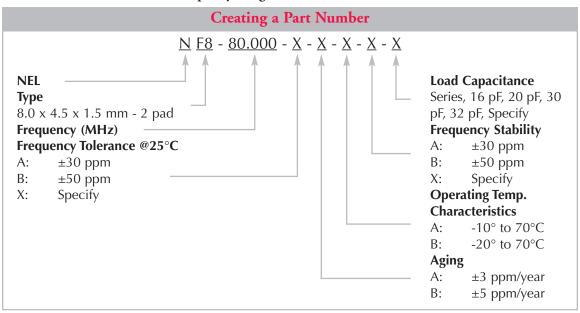
- Meets NEL requirements for product reliability
- User specified tolerance available
- Leadless ceramic package
- Suitable for reflow soldering
- Wide frequency range 8.0 MHz to 80.0 MHz
- Automatic mounting
- Shock resistance: drop test of 3 times on 2 mm stainless plate from 75 cm height
- Glass sealed

FREQUENCY CONTROLS, INC.

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

SMD Crystal NF8 Series

Frequency Range: 8.0 MHz to 80.0 MHz



Electrical Specifications	
Frequency Range	8.000 MHz to 80.000 MHz
Frequency Tolerance (at 25°C)	±30 ppm, ±50 ppm, or specify
Frequency Stability Over	-10°C to 70°C ±30 ppm
Operating Temp. Characteristics	-20°C to 70°C ±50 ppm or specify
Storage Temperature	-55°C to 125°C
Operating Temperature Range	-40°C to 85°C
Shunt Capacitance	5.0 pF Max
Drive Level (Typical)	10 μW
Load Capacitance (C ₁)	Series, 16 pF, 20 pF, 30 pF, 32 pF or specify
Aging @ 25°C 1st year (Max)	±3 ppm, ±5 ppm/year
Equivalent Series Resistance	Frequency Range E.S.R. (Ω) Max
Mode: Fundamental/AT	8.000 to 10.000 MHz 70
	10.000 to 40.000 MHz 40
Mode: 3rd Overtone/AT	30.000 to 45.000 MHz 60
	45.000 to 80.000 MHz 50

