## **N Series Crystal**



- Industry Standard Package
- AT and BT Cut
- RoHS Compliant Available
- > Replaces MA-505 and MA-506
- Resistance Weld



## ESR CHART:

Frequency Range	3.200MHz to 91.730MHz	
Frequency Tolerance / Stability	(See Part Number Guide for Options)	
Operating Temperature Range	(See Part Number Guide for Options)	
Storage Temperature	-55°C to +125°C	
Aging	±5ppm / first year max	
Shunt Capacitance	7pF Max	
Load Capacitance	(See Part Number Guide for Options)	
Equivalent Series Resistance	See ESR Chart	
Mode of Operation	Fundamental, or 3 <sup>rd</sup> OT	
Drive Level	1mW Max	
Shock	MIL-STD-883, Meth 2002, Cond B	
Solderability	MIL-STD-883, Meth 2003	
Solvent Resistance	MIL-STD-202, Meth 215	
Vibration	MIL-STD-883, Meth 2007, Cond A	
Gross Leak Test	MIL-STD-883, Meth 1014, Cond C	
Fine Leak Test	MIL-STD-883, Meth 1014, Cond A	

Frequency Range	ESR (Ohms)	Mode / Cut
3.200MHz to 4.999MHz	200 Max	Fund / AT
5.000MHz to 5.999MHz	150 Max	Fund / AT
6.000MHz to 7.999MHz	120 Max	Fund / AT
8.000MHz to 8.999MHz	90 Max	Fund / AT
9.000MHz to 9.999MHz	80 Max	Fund / AT
10.000MHz to 16.999MHz	50 Max	Fund / AT
17.000MHz to 24.999MHz	40 Max	Fund / AT
25.000MHz to 36.000MHz	25 Max	Fund / AT
24.000MHz to 40.000MHz	80 Max	Fund / BT
24.000MHz to 34.999MHz	100 Max	3 <sup>rd</sup> OT / AT
35.000MHz to 59.999MHz	80 Max	3 <sup>rd</sup> OT / AT
60.000MHz to 91.730MHz	60 Max	3 <sup>rd</sup> OT / AT

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