

DN Series Crystal

- Micro Miniature SM Crystal
- Frequency Range 12.000MHz to 40.000MHz
- RoHS Compliant

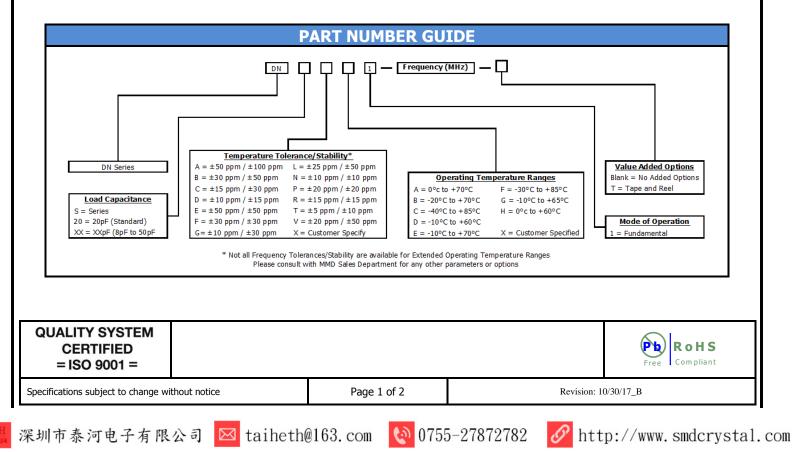


ELECTRICAL CHARACTERISTICS		
Parameter	Value	
Frequency Range	12.000MHz to 40.000MHz	
Frequency Tolerance / Stability	(See Part Number Guide for Option)	
Operating Temperature Range	(See Part Number Guide for Option)	
Storage Temperature Range	-40°C to +85°C	
Aging at +25°C	±3 ppm / year max	
Shunt Capacitance	Less than 5pF	
Load Capacitance	(See Part Number Guide for Option)	
Equivalent Series Resistance (ESR)	(See ESR Chart)	
Mode of Operation	(See ESR Chart)	
Drive Level	1µW to 100µW	

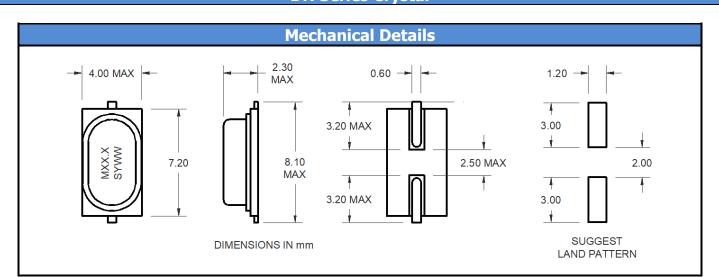
ENVIRONMENTAL & MECHANICAL		
SPEC		
Shock	MIL-STD-883, Method 2002 Cond B	
Solderability	MIL-STD-883, Method 2003	
Solvent Resistance	MIL-STD-202, Method 215	
Vibration	MIL-STD-883, Method 2007, Cond A	
Gross Leak Test	MIL-STD-883, Method 1014, Cond C	
Fine Leak Test	MIL-STD-883, Method 1014, Cond A2	
MSL	Level 1 per IPC/JEDEC J-STD 20	
Reflow Conditions	260°C max 10 sec per IPC/JEDEC J-STD 20	

EQUIVALENT SERIES RESISTANCE CHART

Frequency Range	ESR	Mode / Cut
12.000MHz to 16.000MHz	60Ω max	Fund / AT
16.000MHz to 30.000MHZ	50Ω max	Fund / AT
30.000MHz to 40.000MHz	40Ω max	Fund / AT



DN Series Crystal



Package Information

- 1. Base or under conductor Nickel thickness 1.3 to 1.8 Microns.
- 2. Final Plating (99.97%) 0.8 to 1.2 Microns.

Marking Detail			
Line 1	Π	MXX.X (Not to exceed 5 characters including decimal point))	
М	=	MMD	
XX.X	=	Output Frequency (4 digits including decimal point.)	
Line 2	=	SYWW or SSYWW (Not to exceed 5 characters)	
S or SS	=	Internal Code (can be 1 or 2 characters)	
YWW	=	Date Code (Year/Week)	
Y	=	First digit of year of Manufacture	
WW	=	Week of Manufacture	

Specifications subject to change without notice

Page 2 of 2

深圳市泰河电子有限公司 🖂 taiheth@163.com 😢 0755-27872782

Revision: 10/30/17_B

