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|------------------------------|-----------------------------------|
| 1 NDK Part Number | NX2012SA-32.768KHZ-EXS00A-MU00797 |
| 2 NDK Specification Number | EXS00A-MU00797 |
| 3 Type | NX2012SA |
| 4 Electrical Characteristics | |

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal Frequency (f _{nom})	f _{nom}	32.768			kHz	-
2	Overtone order	-	Fundamental			-	-
3	Load capacitance	CL	-	6	-	pF	*1
4	Frequency tolerance	-	-20	-	+20	ppm	at +25°C
5	Turning Point	-	+25+/-5			°C	-
6	Temperature coefficient	-	-0.04 Max.			ppm/°C ²	-
7	Operating temperature range	-	-40	-	+125	°C	-
8	Aging	-	+/-3			ppm	1 st year (at 25°C)
			+/-5			ppm	5 th years (at 25°C)
			+/-10			ppm	10 th years (at 25°C)
			+/-15			ppm	20 th years (at 25°C)
9	Drive Level	DL	-	0.1	0.5	μW	-
10	Equivalent Series Resistance	R _r	-	55	-	kΩ	at +25+/-3°C, *1
			-	-	80	kΩ	at -40 to +85°C
			-	-	110	kΩ	at 85 to +125°C
11	Shunt Capacitance	C ₀	1.0	1.3	1.6	pF	*1
12	Insulation resistance	-	500	-	-	Ω	*2
13	Storage temperature range	-	-40	-	+125	°C	-
14	Motional Capacitance	C ₁	4.0	5.0	6.0	pF	*1
15	Motional Inductance	L ₁	3500	5000	6500	H	*1

*1. Network Analyzer (CNA-LF made in Transat corp.)

*2. Terminal to terminal insulation resistance must be 500MΩ (Min.) when DC100V ±15V is applied.

Dimension

