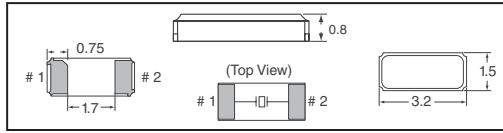




NX3215SA Series 32.768Khz SMD Crystals

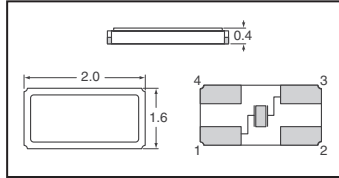


Electrical Characteristics:

• Frequency Tolerance (25±3°C): ±20ppm • Operating Temperature: -40°C ~ 85°C (MUA-9, MUA-8), -40°C ~ 125°C (MUS-2) • Drive Level: 0.5µW

Frequency (kHz)	Load Cap. (pF)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	NDK Part No.
			1	10	50			
32.768	9.0	644-1155-1-ND	1.07	.93	.82	644-1155-2-ND	399.57	NX3215SA-32.768K-STD-MUA-9
32.768	12.5	644-1156-1-ND	1.07	.93	.82	644-1156-2-ND	399.57	NX3215SA-32.768K-STD-MUA-8
32.768	12.5	644-1159-1-ND	1.17	1.02	.89	644-1159-2-ND	435.89	NX3215SA-32.768K-STD-MUS-2

NX2016AB Series



Frequency (MHz)	Load Cap. (pF)	Frequency Tolerance @ 25°C	Frequency Stability Over Operating Temp.	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 3,000	NDK Part No.
					1	10	50		
26.000	8.0	±20ppm	±20ppm	644-1118-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-26MHZ ST1
32.000	8.0	±20ppm	±20ppm	644-1119-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-32MHZ ST2
36.000	8.0	±20ppm	±20ppm	644-1120-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-36MHZ ST3
38.400	8.0	±20ppm	±20ppm	644-1121-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-38.4MHZ ST4
26.000	7.0	±10ppm	±15ppm	644-1122-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-26MHZ SB1
26.000	7.0	±15ppm	±15ppm	644-1123-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-26MHZ SB2
38.400	7.0	±10ppm	±10ppm	644-1124-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-38.4MHZ SW1
38.400	7.0	±20ppm	±20ppm	644-1125-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-38.4MHZ SWW
40.000	7.0	±10ppm	±10ppm	644-1126-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-40MHZ SW2
40.000	7.0	±20ppm	±20ppm	644-1127-1-ND	1.79	1.55	1.36	642.16/M	NX2016AB-40MHZ SW2W

Note: For applications and additional specifications, please see the manufacturer's data sheets.
† For Tape and Reel part number, change 1-ND to 2-ND.

NX2520SA, NX3225SA, NX5032GA, NX8045GB, NX1255GB and NX3225GA Series

NX2520SA Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±10ppm • Frequency Stability: ±10ppm • Operating Mode: Fundamental • Load Capacitance: 10pf • Operating Temperature: -10°C ~ 60°C • Drive Level: 10µW

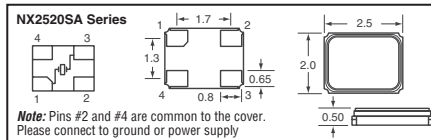
NX3225SA Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±15ppm • Frequency Stability: ±15ppm • Operating Mode: Fundamental • Load Capacitance: 8pf • Operating Temperature: -10°C ~ 75°C • Drive Level: 50µW

NX5032GA Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±50ppm • Frequency Stability: ±50ppm • Operating Mode: Fundamental • Load Capacitance: 8pf • Operating Temperature: -10°C ~ 70°C • Drive Level: 50µW

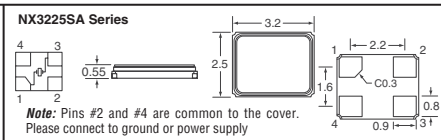
NX8045GB Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±50ppm • Frequency Stability: ±50ppm • Operating Mode: Fundamental • Load Capacitance: 8pf • Operating Temperature: -10°C ~ 70°C • Drive Level: 50µW

NX1255GB Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±50ppm • Frequency Stability: ±50ppm • Operating Mode: Fundamental • Load Capacitance: 12pf • Operating Temperature: -10°C ~ 70°C • Drive Level: 100µW

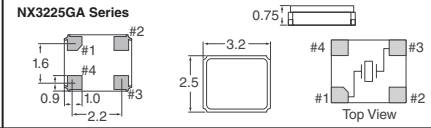
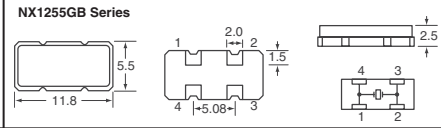
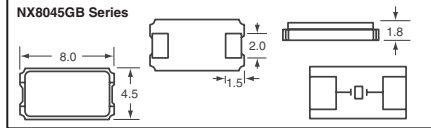
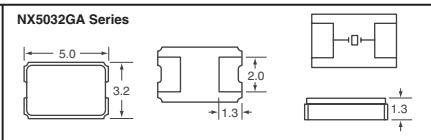
NX3225GA Series: Electrical Characteristics: • Frequency Tolerance (25±3°C): ±20ppm • Frequency Stability: ±30ppm • Operating Mode: Fundamental • Load Capacitance: 8pf • Operating Temperature: -10°C ~ 70°C • Drive Level: 200µW



Note: Pins #2 and #4 are common to the cover. Please connect to ground or power supply.



Note: Pins #2 and #4 are common to the cover. Please connect to ground or power supply.



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel† Pricing Qty.	NDK Part No.
		1	10	50		
NX2520SA Series						
16.000000	644-1059-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-16.000000MHZ
20.000000	644-1060-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-20.000000MHZ
24.000000	644-1061-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-24.000000MHZ
24.576000	644-1062-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-24.576000MHZ
26.000000	644-1063-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-26.000000MHZ
30.000000	644-1064-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-30.000000MHZ
32.000000	644-1065-1-ND	1.70	1.48	1.30	3,000	611.81/M NX2520SA-32.000000MHZ
40.000000	644-1066-1-ND	1.84	1.60	1.40	3,000	662.01/M NX2520SA-40.000000MHZ
44.000000	644-1067-1-ND	1.84	1.60	1.40	3,000	662.01/M NX2520SA-44.000000MHZ
48.000000	644-1068-1-ND	1.84	1.60	1.40	3,000	662.01/M NX2520SA-48.000000MHZ
NX3225SA Series						
12.000000	644-1047-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-12.000000MHZ
14.318180	644-1048-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-14.318180MHZ
16.000000	644-1049-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-16.000000MHZ
20.000000	644-1050-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-20.000000MHZ
22.000000	644-1051-1-ND	.85	.74	.65	—	— NX3225SA-22.000000MHZ
24.000000	644-1052-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-24.000000MHZ
24.576000	644-1053-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-24.576000MHZ
26.000000	644-1054-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-26.000000MHZ
27.000000	644-1055-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-27.000000MHZ
32.000000	644-1056-1-ND	.85	.74	.65	3,000	305.91/M NX3225SA-32.000000MHZ
40.000000	644-1057-1-ND	.94	.81	.71	3,000	336.26/M NX3225SA-40.000000MHZ
44.000000	644-1058-1-ND	.94	.81	.71	3,000	336.26/M NX3225SA-44.000000MHZ
NX5032GA Series						
10.000000	644-1033-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-10.000000MHZ
12.000000	644-1034-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-12.000000MHZ
12.288000	644-1035-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-12.288000MHZ
13.560000	644-1036-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-13.560000MHZ
16.000000	644-1037-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-16.000000MHZ
16.384000	644-1038-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-16.384000MHZ
20.000000	644-1039-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-20.000000MHZ
24.000000	644-1040-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-24.000000MHZ
25.000000	644-1041-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-25.000000MHZ
27.000000	644-1042-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-27.000000MHZ
30.000000	644-1043-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-30.000000MHZ
32.000000	644-1044-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-32.000000MHZ
40.000000	644-1045-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-40.000000MHZ
48.000000	644-1046-1-ND	.65	.57	.50	1,000	242.16 NX5032GA-48.000000MHZ

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel† Pricing Qty.	NDK Part No.
		1	10	50		
NX8045GB Series						
8.000000	644-1018-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-8.000000MHZ
10.000000	644-1019-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-10.000000MHZ
12.000000	644-1020-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-12.000000MHZ
12.288000	644-1021-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-12.288000MHZ
13.560000	644-1022-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-13.560000MHZ
14.318180	644-1023-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-14.318180MHZ
16.934400	644-1024-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-16.934400MHZ
18.432000	644-1025-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-18.432000MHZ
20.000000	644-1026-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-20.000000MHZ
24.000000	644-1027-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-24.000000MHZ
25.000000	644-1028-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-25.000000MHZ
27.000000	644-1029-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-27.000000MHZ
30.000000	644-1030-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-30.000000MHZ
32.000000	644-1031-1-ND	.61	.53	.47	—	— NX8045GB-32.000000MHZ
40.000000	644-1032-1-ND	.61	.53	.47	1,000	226.42 NX8045GB-40.000000MHZ
NX1255GB Series						
3.579545	644-1000-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-3.579545MHZ
4.000000	644-1001-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-4.000000MHZ
4.194304	644-1002-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-4.194304MHZ
6.000000	644-1004-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-6.000000MHZ
7.372800	644-1006-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-7.372800MHZ
8.000000	644-1007-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-8.000000MHZ
10.000000	644-1008-1-ND	.77	.66	.56	—	— NX1255GB-10.000000MHZ
12.000000	644-1009-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-12.000000MHZ
12.288000	644-1010-1-ND	1.20	1.04	.92	—	— NX1255GB-12.288000MHZ
13.560000	644-1011-1-ND	1.20	1.04	.92	—	— NX1255GB-13.560000MHZ
16.000000	644-1013-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-16.000000MHZ
18.432000	644-1014-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-18.432000MHZ
20.000000	644-1015-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-20.000000MHZ
24.000000	644-1016-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-24.000000MHZ
25.000000	644-1017-1-ND	1.20	1.04	.92	1,000	448.00 NX1255GB-25.000000MHZ
NX3225GA Series						
16.000	644-1157-1-ND	.75	.65	.57	1,000	279.70 NX3225GA-16.000M-STD-CRG-1
27.000	644-1158-1-ND	.75	.65	.57	1,000	279.70 NX3225GA-27.000M-STD-CRG-1

† For Tape and Reel part number, change 1-ND to 2-ND.

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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