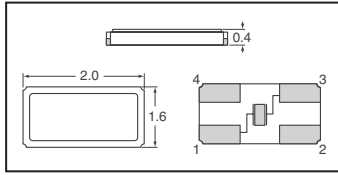


NX2016AB Series

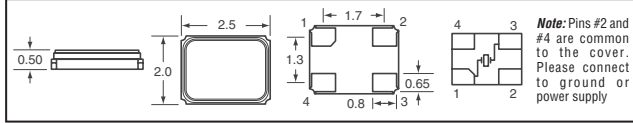


Frequency (MHz)	Load Cap. (pF)	Frequency Tolerance @ 25°C	Frequency Stability Over Operating Temp.	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 3,000	NDK Part No.
					1	10	50		
26.000	8.0	±20	±20	644-1118-1-ND	1.14	.94	.84	581.53/M	NX2016AB-26MHZ ST1
32.000				644-1119-1-ND	1.14	.94	.84	581.53/M	NX2016AB-32MHZ ST2
36.000				644-1120-1-ND	1.14	.94	.84	581.53/M	NX2016AB-36MHZ ST3
38.400	644-1121-1-ND	1.14	.94	.84	581.53/M	581.53/M	NX2016AB-38.4MHZ ST4		
26.000	7.0	±10	±15	644-1122-1-ND	1.14	.94	.84	581.53/M	NX2016AB-26MHZ SB1
26.000		±15	±15	644-1123-1-ND	1.14	.94	.84	581.53/M	NX2016AB-26MHZ SB2
38.400		±10	±10	644-1124-1-ND	1.14	.94	.84	581.53/M	NX2016AB-38.4MHZ SW1
38.400		±20	±20	644-1125-1-ND	1.14	.94	.84	581.53/M	NX2016AB-38.4MHZ SWW
40.000		±10	±10	644-1126-1-ND	1.14	.94	.84	581.53/M	NX2016AB-40MHZ SW2
40.000		±20	±20	644-1127-1-ND	1.14	.94	.84	581.53/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 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

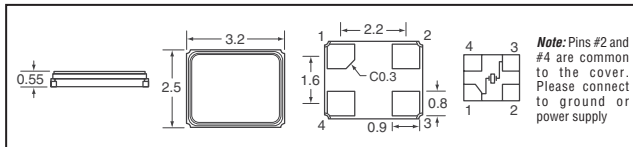


Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 3,000	NDK Part No.
		1	10	50		
16.000000	644-1059-1-ND	1.09	.89	.80	553.94/M	NX2520SA-16.000000MHZ
20.000000	644-1060-1-ND	1.09	.89	.80	553.94/M	NX2520SA-20.000000MHZ
24.000000	644-1061-1-ND	1.09	.89	.80	553.94/M	NX2520SA-24.000000MHZ
24.576000	644-1062-1-ND	1.09	.89	.80	553.94/M	NX2520SA-24.576000MHZ
26.000000	644-1063-1-ND	1.09	.89	.80	553.94/M	NX2520SA-26.000000MHZ
30.000000	644-1064-1-ND	1.09	.89	.80	553.94/M	NX2520SA-30.000000MHZ
32.000000	644-1065-1-ND	1.09	.89	.80	553.94/M	NX2520SA-32.000000MHZ
40.000000	644-1066-1-ND	1.18	.97	.86	599.68/M	NX2520SA-40.000000MHZ
44.000000	644-1067-1-ND	1.18	.97	.86	599.68/M	NX2520SA-44.000000MHZ
48.000000	644-1068-1-ND	1.18	.97	.86	599.68/M	NX2520SA-48.000000MHZ

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

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

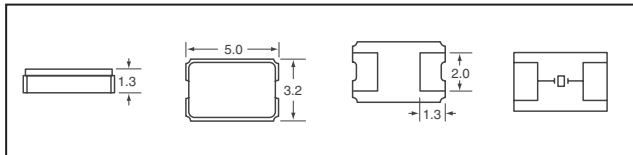


Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 3,000	NDK Part No.
		1	10	50		
12.000000	644-1047-1-ND	.54	.45	.40	276.61/M	NX3225SA-12.000000MHZ
14.318180	644-1048-1-ND	.54	.45	.40	276.61/M	NX3225SA-14.318180MHZ
16.000000	644-1049-1-ND	.54	.45	.40	276.61/M	NX3225SA-16.000000MHZ
20.000000	644-1050-1-ND	.54	.45	.40	276.61/M	NX3225SA-20.000000MHZ
22.000000	644-1051-1-ND	.54	.45	.40	276.61/M	NX3225SA-22.000000MHZ
24.000000	644-1052-1-ND	.54	.45	.40	276.61/M	NX3225SA-24.000000MHZ
24.576000	644-1053-1-ND	.54	.45	.40	276.61/M	NX3225SA-24.576000MHZ
26.000000	644-1054-1-ND	.54	.45	.40	276.61/M	NX3225SA-26.000000MHZ
27.000000	644-1055-1-ND	.54	.45	.40	276.61/M	NX3225SA-27.000000MHZ
32.000000	644-1056-1-ND	.54	.45	.40	276.61/M	NX3225SA-32.000000MHZ
40.000000	644-1057-1-ND	.60	.49	.44	304.20/M	NX3225SA-40.000000MHZ
44.000000	644-1058-1-ND	.60	.49	.44	304.20/M	NX3225SA-44.000000MHZ

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

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

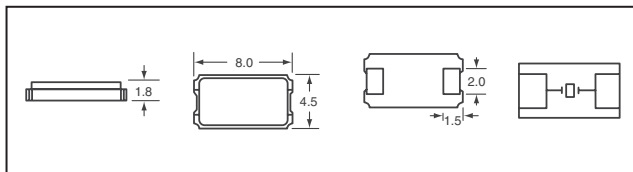


Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 1,000	NDK Part No.
		1	10	50		
10.000000	644-1033-1-ND	.41	.34	.31	211.27	NX5032GA-10.000000MHZ
12.000000	644-1034-1-ND	.41	.34	.31	211.27	NX5032GA-12.000000MHZ
12.288000	644-1035-1-ND	.41	.34	.31	211.27	NX5032GA-12.288000MHZ
13.560000	644-1036-1-ND	.41	.34	.31	211.27	NX5032GA-13.560000MHZ
16.000000	644-1037-1-ND	.41	.34	.31	211.27	NX5032GA-16.000000MHZ
16.384000	644-1038-1-ND	.41	.34	.31	211.27	NX5032GA-16.384000MHZ
20.000000	644-1039-1-ND	.41	.34	.31	211.27	NX5032GA-20.000000MHZ
24.000000	644-1040-1-ND	.41	.34	.31	211.27	NX5032GA-24.000000MHZ
25.000000	644-1041-1-ND	.41	.34	.31	211.27	NX5032GA-25.000000MHZ
27.000000	644-1042-1-ND	.41	.34	.31	211.27	NX5032GA-27.000000MHZ
30.000000	644-1043-1-ND	.41	.34	.31	211.27	NX5032GA-30.000000MHZ
32.000000	644-1044-1-ND	.41	.34	.31	211.27	NX5032GA-32.000000MHZ
40.000000	644-1045-1-ND	.41	.34	.31	211.27	NX5032GA-40.000000MHZ
48.000000	644-1046-1-ND	.41	.34	.31	211.27	NX5032GA-48.000000MHZ

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

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

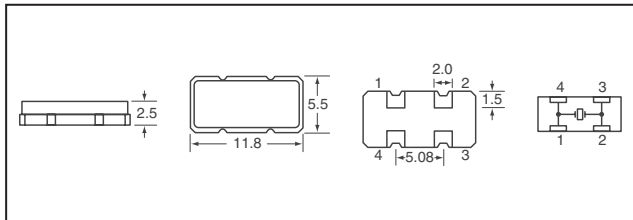


Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 1,000	NDK Part No.
		1	10	50		
8.000000	644-1018-1-ND	.33	.27	.24	166.25	NX8045GB-8.000000MHZ
10.000000	644-1019-1-ND	.33	.27	.24	166.25	NX8045GB-10.000000MHZ
12.000000	644-1020-1-ND	.33	.27	.24	166.25	NX8045GB-12.000000MHZ
12.288000	644-1021-1-ND	.33	.27	.24	166.25	NX8045GB-12.288000MHZ
13.560000	644-1022-1-ND	.33	.27	.24	166.25	NX8045GB-13.560000MHZ
14.318180	644-1023-1-ND	.33	.27	.24	166.25	NX8045GB-14.318180MHZ
16.384000	644-1024-1-ND	.33	.27	.24	166.25	NX8045GB-16.384000MHZ
18.432000	644-1025-1-ND	.33	.27	.24	166.25	NX8045GB-18.432000MHZ
20.000000	644-1026-1-ND	.33	.27	.24	166.25	NX8045GB-20.000000MHZ
24.000000	644-1027-1-ND	.33	.27	.24	166.25	NX8045GB-24.000000MHZ
25.000000	644-1028-1-ND	.33	.27	.24	166.25	NX8045GB-25.000000MHZ
27.000000	644-1029-1-ND	.33	.27	.24	166.25	NX8045GB-27.000000MHZ
30.000000	644-1030-1-ND	.33	.27	.24	166.25	NX8045GB-30.000000MHZ
32.000000	644-1031-1-ND	.33	.27	.24	166.25	NX8045GB-32.000000MHZ
40.000000	644-1032-1-ND	.33	.27	.24	166.25	NX8045GB-40.000000MHZ

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

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



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape & Reel Pricing† 1,000	NDK Part No.
		1	10	50		
3.579545	644-1000-1-ND	.67	.55	.49	341.22	NX1255GB-3.579545MHZ
4.000000	644-1001-1-ND	.67	.55	.49	341.22	NX1255GB-4.000000MHZ
4.194304	644-1002-1-ND	.67	.55	.49	341.22	NX1255GB-4.194304MHZ
4.915200	644-1003-1-ND	.67	.55	.49	341.22	NX1255GB-4.915200MHZ
6.000000	644-1004-1-ND	.67	.55	.49	341.22	NX1255GB-6.000000MHZ
6.144000	644-1005-1-ND	.67	.55	.49	341.22	NX1255GB-6.144000MHZ
7.372800	644-1006-1-ND	.67	.55	.49	341.22	NX1255GB-7.372800MHZ
8.000000	644-1007-1-ND	.67	.55	.49	341.22	NX1255GB-8.000000MHZ
10.000000	644-1008-1-ND	.67	.55	.49	341.22	NX1255GB-10.000000MHZ
12.000000	644-1009-1-ND	.67	.55	.49	341.22	NX1255GB-12.000000MHZ
12.288000	644-1010-1-ND	.67	.55	.49	341.22	NX1255GB-12.288000MHZ
13.560000	644-1011-1-ND	.67	.55	.49	341.22	NX1255GB-13.560000MHZ
14.318180	644-1012-1-ND	.67	.55	.49	341.22	NX1255GB-14.318180MHZ
16.000000	644-1013-1-ND	.67	.55	.49	341.22	NX1255GB-16.000000MHZ
18.432000	644-1014-1-ND	.67	.55	.49	341.22	NX1255GB-18.432000MHZ
20.000000	644-1015-1-ND	.67	.55	.49	341.22	NX1255GB-20.000000MHZ
24.000000	644-1016-1-ND	.67	.55	.49	341.22	NX1255GB-24.000000MHZ
25.000000	644-1017-1-ND	.67	.55	.49	341.22	NX1255GB-25.000000MHZ

† 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.

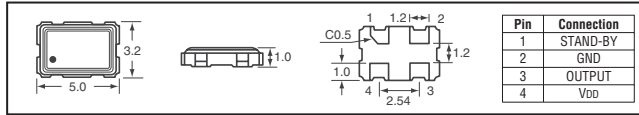
Free shipping on orders over £50! All prices are in British pound sterling and include duties.
1352 (UK091) uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783



2765E Series Spread Spectrum SMT Oscillators



ELECTRICAL CHARACTERISTICS: • Supply Voltage: 3.3V ±0.3 • Output Level: CMOS
 • Frequency Stability: ±100ppm • Current Consumption: 30mA Maximum • Current Consumption (Standby): 30µA • Operating Temperature: -20°C - 70°C • Rise Time/Fall Time: 5ns Maximum • Duty Cycle: 40% - 60% at ½ VDD



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			T & R Pricing † 1,000	NDK Part No.
		1	10	100		
25.00	644-1071-1-ND	2.47	2.23	1.86	1235.65	2765E-25.000000MHZ
40.00	644-1073-1-ND	2.47	2.23	1.86	1235.65	2765E-40.000000MHZ
50.00	644-1074-1-ND	2.67	2.41	2.01	1335.11	2765E-50.000000MHZ
66.00	644-1075-1-ND	2.67	2.41	2.01	1335.11	2765E-66.000000MHZ
66.667	644-1076-1-ND	2.67	2.41	2.01	1335.11	2765E-66.667000MHZ
80.00	644-1077-1-ND	2.67	2.41	2.01	1335.11	2765E-80.000000MHZ

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

Automotive Application Crystals



Frequency (MHz)	Load Cap. (pF)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing † 1,000	NDK Part No.
			1	10	50		
Wide Temperature Range Automotive Applications							
12.00	8.0	644-1128-1-ND	.99	.93	.80	370.26	NX3225SA 12MHZ AT-W
16.00	8.0	644-1129-1-ND	.99	.93	.80	370.26	NX3225SA 16MHZ AT-W
20.00	8.0	644-1130-1-ND	.99	.93	.80	370.26	NX3225SA 20MHZ AT-W
40.00	8.0	644-1131-1-ND	1.05	.98	.84	391.31	NX3225SA 40MHZ AT-W
8.00	8.0	644-1132-1-ND	1.19	1.11	.96	444.31	NX5032GA 8MHZ AT-W
10.00	8.0	644-1133-1-ND	1.19	1.11	.96	444.31	NX5032GA 10MHZ AT-W
12.00	8.0	644-1134-1-ND	1.19	1.11	.96	444.31	NX5032GA 12MHZ AT-W
16.00	8.0	644-1135-1-ND	1.19	1.11	.96	444.31	NX5032GA 16MHZ AT-W
20.00	8.0	644-1136-1-ND	1.19	1.11	.96	444.31	NX5032GA 20MHZ AT-W
40.00	8.0	644-1137-1-ND	1.19	1.11	.96	444.31	NX5032GA 40MHZ AT-W
4.00	8.0	644-1138-1-ND	1.05	.98	.84	391.31	NX8045GB 4MHZ AT-W
Automotive TPMS Applications							
9.84375	8.0	644-1139-1-ND	1.19	1.11	.96	444.31	NX5032GA 9.84375MHZ AT-TPMS
13.56	8.0	644-1140-1-ND	1.19	1.11	.96	444.31	NX5032GA 13.56MHZ AT-TPMS
9.84375	12.0	644-1141-1-ND	1.28	1.19	1.02	475.53	NX5032SD 9.84375MHZ AT-TPMS
13.56	12.0	644-1142-1-ND	1.28	1.19	1.02	475.53	NX5032SD 13.56MHZ AT-TPMS

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

Chip Set TCXOs and Crystals



Type	Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		NDK Part No.	Compatible Chip Sets and Applications
			1	10	50	Qty.	Pricing		
TCXO	26.00	644-1113-1-ND	2.94	2.75	2.36	1,000	1098.44	NT2520SA-26.000000MHZ-A1	NXP (Philips), GSM
	19.20	644-1111-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-19.200000MHZ-T3	QUALCOMM, CDMA (MSM6000)
	19.20	644-1090-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-19.200000MHZ-T2	NXP (Philips), TV ON MOBILE
	26.00	644-1091-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-26.000000MHZ-B2	NXP (Philips), 3G UMTS/CDMA
	26.00	644-1092-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-26.000000MHZ-G7	ADI, GSM
	26.00	644-1110-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-26.000000MHZ-G8	ADI, GSM (AD6548)
Crystal	52.00	644-1112-1-ND	2.16	1.77	1.57	1,000	1098.44	NT3225SA-52.000000MHZ-S1	FREESCALE, GSM (PYTHON)
	16.00	644-1093-1-ND	1.18	.97	.86	3,000	599.68/M	NX2520SA-16.000000MHZ-W1	FREESCALE, ZIGBEE
	24.00	644-1094-1-ND	1.18	.97	.86	3,000	599.68/M	NX2520SA-24.000000MHZ-B8	NXP (Philips), Bluetooth
	26.00	644-1095-1-ND	1.18	.97	.86	3,000	599.68/M	NX2520SA-26.000000MHZ-B9	NXP (Philips), Bluetooth
	40.00	644-1096-1-ND	1.18	.97	.86	3,000	599.68/M	NX2520SA-40.000000MHZ-W2	STEPMIND, WLAN-WIFI
	40.00	644-1097-1-ND	1.18	.97	.86	3,000	599.68/M	NX2520SA-40.000000MHZ-W3	NXP (Philips), WLAN-WIFI
	16.00	644-1098-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-16.000000MHZ-B3	Cambridge Silicon Radio, Bluetooth
	16.00	644-1100-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-16.000000MHZ-T1	NXP (Philips), TV ON MOBILE
	20.00	644-1098-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-20.000000MHZ-B2	Cambridge Silicon Radio, Bluetooth
	26.00	644-1101-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-26.000000MHZ-B1	Broadcom, Bluetooth
	26.00	644-1109-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-26.000000MHZ-G2	Atheros, GSM
	26.00	644-1102-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-26.000000MHZ-G3	Atheros, GSM
	26.00	644-1103-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-26.000000MHZ-G4	INFINEON, GSM
	39.00	644-1104-1-ND	.67	.55	.49	3,000	339.05/M	NX3225SA-39.000000MHZ-B4	XEMICON-SEMTECH, Bluetooth
	13.00	644-1105-1-ND	.76	.62	.56	3,000	385.51/M	NX4025DA-13.000000MHZ-B6	NXP (Philips), Bluetooth
15.36	644-1106-1-ND	.76	.62	.56	3,000	385.51/M	NX4025DA-15.360000MHZ-B7	FREESCALE, Bluetooth	
16.00	644-1107-1-ND	.76	.62	.56	3,000	385.51/M	NX4025DA-16.000000MHZ-B5	Cambridge Silicon Radio, Bluetooth	
13.00	644-1108-1-ND	.67	.55	.49	5,000	339.05/M	NX5032SA-13.000000MHZ-G1	Atheros, GSM	

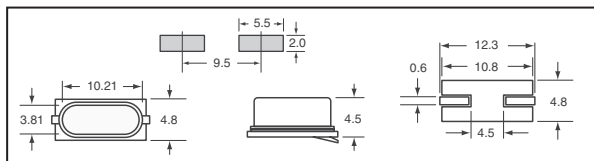
† For Tape and Reel part number, change 1-ND to 2-ND. **Note:** For additional specifications please reference the manufacturer's data sheets.



CX49GFWB Series SMT Crystals



FEATURES: • Crystal unit for audio-visual and office equipment • Metal package • Hermetic sealed resistance weld
APPLICATIONS: • Digital electronics • Audio-visual • Office equipment
SPECIFICATIONS: • Frequency Tolerance: ±50ppm • Frequency Temperature Characteristics: ±50ppm • Load Capacitance: 12pF • Operating Temperature Range: -10°C - 70°C • Storage Temperature Range: -40°C - 85°C



Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 1,000	AVX Part No.
		1	10	100			
3.579545	478-4339-1-ND	.73	.46	.34	478-4339-2-ND	290.40	CX49GFWB03579H0PESZ
4.000000	478-4340-1-ND	.73	.46	.34	478-4340-2-ND	290.40	CX49GFWB04000H0PESZ
4.194304	478-4341-1-ND	.73	.46	.34	478-4341-2-ND	290.40	CX49GFWB04194H0PESZ
4.433619	478-4342-1-ND	.73	.46	.34	478-4342-2-ND	290.40	CX49GFWB04433H0PESZ
4.433619	478-4343-1-ND	.73	.46	.34	478-4343-2-ND	290.40	CX49GFWB04433H0PESZ
4.915200	478-4344-1-ND	.73	.46	.34	478-4344-2-ND	290.40	CX49GFWB04915H0PESZ
6.000000	478-4345-1-ND	.73	.46	.34	478-4345-2-ND	290.40	CX49GFWB06000H0PESZ
7.200000	478-4346-1-ND	.73	.46	.34	478-4346-2-ND	290.40	CX49GFWB07200H0PESZ
8.000000	478-4347-1-ND	.73	.46	.34	478-4347-2-ND	290.40	CX49GFWB08000H0PESZ
10.000000	478-4348-1-ND	.73	.46	.34	478-4348-2-ND	290.40	CX49GFWB10000H0PESZ
12.000000	478-4349-1-ND	.73	.46	.34	478-4349-2-ND	290.40	CX49GFWB12000H0PESZ
14.318180	478-4350-1-ND	.73	.46	.34	478-4350-2-ND	290.40	CX49GFWB14318H0PESZ
16.000000	478-4351-1-ND	.73	.46	.34	478-4351-2-ND	290.40	CX49GFWB16000H0PESZ
16.934000	478-4352-1-ND	.73	.46	.34	478-4352-2-ND	290.40	CX49GFWB16934H0PESZ
18.432000	478-4353-1-ND	.73	.46	.34	478-4353-2-ND	290.40	CX49GFWB18432H0PESZ
20.000000	478-4354-1-ND	.73	.46	.34	478-4354-2-ND	290.40	CX49GFWB20000H0PESZ
24.000000	478-4355-1-ND	.73	.46	.34	478-4355-2-ND	290.40	CX49GFWB24000H0PESZ
24.576000	478-4356-1-ND	.73	.46	.34	478-4356-2-ND	290.40	CX49GFWB24576H0PESZ
27.000000	478-4357-1-ND	.73	.46	.34	478-4357-2-ND	290.40	CX49GFWB27000H0PESZ

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.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

(UK091) 1353

D