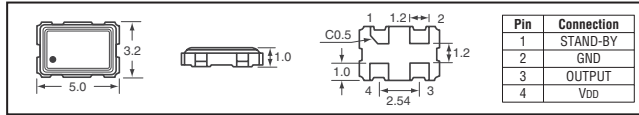




2765E Series Spread Spectrum SMT Oscillators



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	

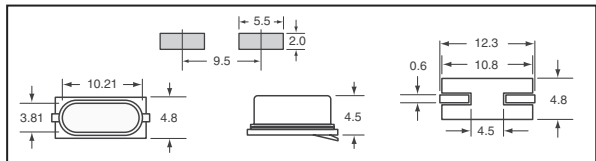
† For Tape and Reel part number, change 1-ND to 2-ND. **Note:** For additional specifications please reference the manufacturer's data sheets.



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	CX49GFWB03579H0PESZZ
4.000000	478-4340-1-ND	.73	.46	.34	478-4340-2-ND	290.40	CX49GFWB04000H0PESZZ
4.194304	478-4341-1-ND	.73	.46	.34	478-4341-2-ND	290.40	CX49GFWB04194H0PESZZ
4.433619	478-4342-1-ND	.73	.46	.34	478-4342-2-ND	290.40	CX49GFWB04433H0PESZZ
4.433619	478-4343-1-ND	.73	.46	.34	478-4343-2-ND	290.40	CX49GFWB04433H0PESZZ
4.915200	478-4344-1-ND	.73	.46	.34	478-4344-2-ND	290.40	CX49GFWB04915H0PESZZ
6.000000	478-4345-1-ND	.73	.46	.34	478-4345-2-ND	290.40	CX49GFWB06000H0PESZZ
7.200000	478-4346-1-ND	.73	.46	.34	478-4346-2-ND	290.40	CX49GFWB07200H0PESZZ
8.000000	478-4347-1-ND	.73	.46	.34	478-4347-2-ND	290.40	CX49GFWB08000H0PESZZ
10.000000	478-4348-1-ND	.73	.46	.34	478-4348-2-ND	290.40	CX49GFWB10000H0PESZZ
12.000000	478-4349-1-ND	.73	.46	.34	478-4349-2-ND	290.40	CX49GFWB12000H0PESZZ
14.318180	478-4350-1-ND	.73	.46	.34	478-4350-2-ND	290.40	CX49GFWB14318H0PESZZ
16.000000	478-4351-1-ND	.73	.46	.34	478-4351-2-ND	290.40	CX49GFWB16000H0PESZZ
16.934000	478-4352-1-ND	.73	.46	.34	478-4352-2-ND	290.40	CX49GFWB16934H0PESZZ
18.432000	478-4353-1-ND	.73	.46	.34	478-4353-2-ND	290.40	CX49GFWB18432H0PESZZ
20.000000	478-4354-1-ND	.73	.46	.34	478-4354-2-ND	290.40	CX49GFWB20000H0PESZZ
24.000000	478-4355-1-ND	.73	.46	.34	478-4355-2-ND	290.40	CX49GFWB24000H0PESZZ
24.576000	478-4356-1-ND	.73	.46	.34	478-4356-2-ND	290.40	CX49GFWB24576H0PESZZ
27.000000	478-4357-1-ND	.73	.46	.34	478-4357-2-ND	290.40	CX49GFWB27000H0PESZZ

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