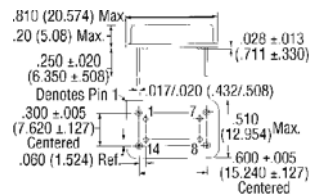




MX0-45 Series Clock Oscillators



Features

- ▶ CMOS/TTL Compatible
- ▶ Available in High Frequencies
- ▶ Tristate Option Available
- ▶ Available in Tight Frequency Stability
- ▶ Optimal Jitter Performance

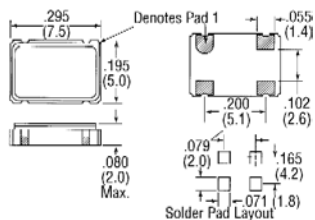
Applications

Laptop computers, "green PCs", medical diagnostics equipment and other systems requiring low power led to the development of the series MX045LV, a 3.3 V XO.

Package: 14 pin DIP. **Frequency Range:** 1.0 to 80 MHz. **0°-70°C Tolerance @ 25°C:** $\pm 0.01\%$ (100 PPM). **Operating Temperature:** 0°C to 70°C. **Duty Cycle:** 45/55% $\leq$ 50 MHz. **Rise and Fall Time:** TTL 5 nS max. CMOS 8 nS max. **Supply Voltage (DC):** 5.0 volts $\pm 10\%$. **Output Load:** 10 TTL/50 pF $\leq$ 50 MHz.

Stock No.	Mfr.'s Type	Frequency (MHz)	EACH		
			1-24	25-49	50-250
745-0228	MX045-1.0000	1.00000	7.16	4.68	3.22
745-0232	MX045-2.0000	2.00000	7.16	4.68	3.22
745-0238	MX045-4.0000	4.00000	5.70	3.73	2.56
745-0240	MX045-4.9152	4.91520	5.70	3.73	2.56
745-0242	MX045-5.0000	5.00000	5.70	3.73	2.56
745-0254	MX045-10.0000	10.0000	5.70	3.73	2.56
745-0256	MX045-12.0000	12.0000	5.70	3.73	2.56
745-0260	MX045-16.0000	16.0000	4.88	3.19	2.19
745-0266	MX045-20.0000	20.0000	2.18	1.99	1.82
745-0278	MX045-40.0000	40.0000	5.70	3.73	2.56
745-0280	MX045-50.0000	50.0000	5.70	3.73	2.56

CB3 Series Clock Oscillators



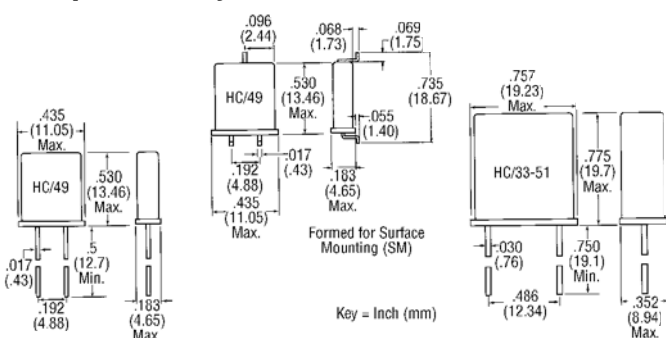
Features

- ▶ Standard Miniature Surface Mount Footprint
- ▶ Frequency Range 1.5-80 MHz
- ▶ Frequency Stability: 100 ppm Standard; 50 ppm and 25 ppm Available
- ▶ CMOS/TTL Compatible
- ▶ Tri-State Output Standard
- ▶ Tape and Reel Packaging (16 mm)
- ▶ PCMCIA Type II and III Compatible

Package: 5 × 7 mm SMT. **Frequency Range:** 1.0 to 50 MHz. **0°-70°C Tolerance @ 25°C:** ±0.01% (100 PPM). **Operating Temperature:** 0°C to 70°C. **Duty Cycle:** 45/55%. **Rise and Fall Time:** 8nS max. **Supply Voltage (DC):** 5.0 volts +10%. **Output Load:** 50 pF.

Stock No.	Mr.'s Type	Frequency (MHz)	EACH		
			1-24	25-49	50-250
745-0196	C83-10.0000	10.00000	3.15	2.89	2.67
745-0222	C83-40.0000	40.00000	3.74	3.45	3.21

Microprocessor Crystals



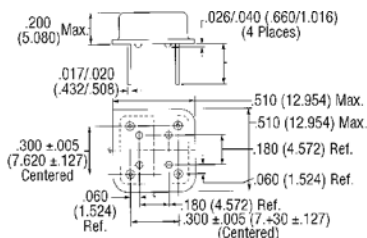
Features

- ▶ Broad Range of Standard Frequencies
- ▶ Rugged Hermetically Resistance Welded Package

Package: HC/49-HC/51. **Frequency Range:** 1.00 to 25.00 MHz. **Frequency Tolerance @ 25°C:** ±0.005% (50 PPM). **0°-70°C Tolerance:** ±0.005%. **Operating Temperature:** 0°C to +70°C. **Calibration:** ±0.005 (50 PPM) @ 25°C. **Stability:** ±0.05% (50 PPM) of 25°C, 0°C to +70°. **HC-51U Frequency Range:** 1.0-3.579545 MHz. **HC-49/U Frequency Range:** 1.8431-25.000 MHz.

Stock No.	Mir.'s Type	Frequency (MHz)	Holder	Corr.	EACH		
					1-49	50-99	100-249
745-0109	MP010	1.000000	HC/33-51	13 pF	16.94	12.13	8.34
745-0112	MP018S	1.843200	HC/49	13 pF	4.16	2.86	1.97
745-0114	MP020	2.000000	HC/33-51	20 pF	5.81	4.08	2.81
745-0120	MP024S	2.457600	HC/49	32 pF	2.68	1.85	1.27
745-0121	MP037	3.579600	HC/49	10 pF	1.31	.91	.62
745-0126	MP037	3.686400	HC/49	20 pF	1.23	.92	.59
745-0128	MP040	4.000000	HC/49	20 pF	1.23	.85	.59
745-0130	MP04A	4.000000	HC/49	Series	1.31	.91	.62
745-0134	MP042	4.915200	HC/49	20 pF	1.64	1.13	.78
745-0142	MP060	6.000000	HC/49	20 pF	1.64	1.13	.78
745-0144	MP061	6.144000	HC/49	20 pF	1.64	1.13	.78
745-0146	MP073	7.128000	HC/49	Series	1.64	1.13	.78
745-0148	MP080	8.000000	HC/49	Series	1.21	.84	.57
745-0150	MP080A	8.000000	HC/49	20 pF	1.64	1.13	.78
745-0154	MP100	10.000000	HC/49	Series	1.21	.84	.57
745-0162	MP111	11.059200	HC/49	Series	1.21	.84	.57
745-0164	MP120	12.000000	HC/49	Series	1.64	1.13	.78
745-0166	MP122	12.288000	HC/49	32 pF	1.21	.84	.57
745-0168	MP143	14.318180	HC/49	Series	1.21	.84	.57
745-0170	MP147	14.768000	HC/49	Series	1.21	.84	.57
745-0174	MP160	16.000000	HC/49	Series	1.64	1.13	.78
745-0176	MP184	18.432000	HC/49	Series	1.21	.84	.57
745-0180	MP200	20.000000	HC/49	Series	1.31	.90	.63

MX0-45 HS Series Clock Oscillator



Features

- ▶ CMOS/TTL Compatible
- ▶ Available in High Frequencies
- ▶ Tristate Option Available
- ▶ Available in Tight Frequency Stability
- ▶ Optimal Jitter Performance

Applications

Laptop computers, "green PCs", medical diagnostics equipment and other systems requiring low power led to the development of the series MX045LV, a 3.3 V XO.

Package: 8 pin DIP. **Frequency Range:** 1.0 to 80 MHz. **0°-70°C Tolerance @ 25°C:** ±0.01% (100 PPM). **Operating Temperature:** 0°C to 70°C. **Duty Cycle:** 45/55% ≤ 50 MHz. **Rise and Fall Time:** TTL 5 nS max. CMOS 8 nS max. **Supply Voltage (DC):** 5.0 volts +10%. **Output Load:** 10 TTL/50 pF ≤ 50 MHz.

Stock No.	Mfr.'s Type	Frequency (MHz)	EACH		
			1-24	25-49	50-250
745-0286	MX045HS-1.0000	1.00000	7.16	4.68	3.22
745-0288	MX045HS-1.8432	1.84320	7.16	4.68	3.22
745-0296	MX045HS-4.0000	4.00000	5.70	3.73	2.56
745-0310	MX045HS-8.0000	8.00000	5.70	3.73	2.56
745-0312	MX045HS-10.000	10.00000	5.70	3.73	2.56
745-0314	MX045HS-12.000	12.00000	5.70	3.73	2.56
745-0324	MX045HS-20.0000	20.00000	5.70	3.73	2.56
745-0326	MX045HS-24.000	24.00000	5.70	3.73	2.56
745-0340	MX045HS-64.0000	64.00000	7.79	5.09	3.51