

Timing Function IC

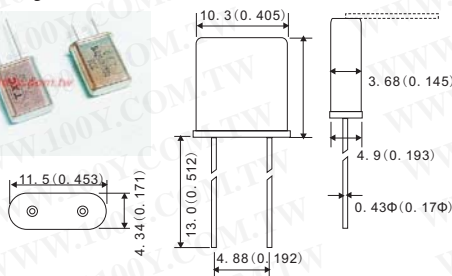
TXC Clock Oscillator

Detailed product specifications are available on: us.100y.com.tw

Part No.	Product No.	Manufacturer	Description	Frequency (MHz)	Tol. \pm ppm	Operating Volt.	Input Current	Rise Fall time	Package
22781	OSC25.000M-HALF533	TXC	O.S.C (Half Can) Crystal Clock	25.000MHz	50ppm	3.3V		5ns Max	HALF CAN
22782	OSC27.000M-HALF505	TXC	O.S.C (Half Can) Crystal Clock	27.000MHz	50ppm	5V		5ns Max	HALF CAN
22783	OSC27M-HALF533	TXC	O.S.C (Half Can) Crystal Clock	27.000MHz	50ppm	3.3V		5ns Max	HALF CAN
3209	OSC28.322M-HALF	TXC	O.S.C (Half Can) Crystal Clock Oscillators	28.322MHz	25ppm	5V	15mA	5ns	HALF CAN
22784	OSC28.636M-HALF	TXC	O.S.C (Half Can) Crystal Clock	28.636MHz	25ppm	3.3or5V		5ns Max	HALF CAN
646	OSC3.6864M-HALF	TXC	O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	3.6864MHz	25ppm	5V	20mA	5ns Max	HALF CAN
6915	OSC32.000M-HALF	TXC	O.S.C (Half Can) Crystal Clock Oscillator	32.000	25ppm	5V	30mA	5ns Max	HALF CAN
651	OSC33.000M-HALF	TXC	O.S.C (Half Can) 8 Pins Crystal Clock Oscillators	33.000	25ppm	5V	30mA	5ns Max	HALF CAN
22786	OSC33.000M-HALF505	TXC	O.S.C (Half Can) Crystal Clock	33.000MHz	50ppm	5V		5ns Max	HALF CAN
22787	OSC33.000M-HALF535	TXC	O.S.C (Half Can) Crystal Clock	33.000MHz	50ppm	3.3or5V		5ns Max	HALF CAN
7556	OSC4.000M-HALF	TXC	O.S.C (Half Can) Crystal Clock Oscillator	4.000MHz	25ppm	5V	10mA	5ns	HALF CAN
22789	OSC40.000M-HALF535	TXC	O.S.C (Half Can) Crystal Clock	40.000MHz	50ppm	3.3or5V		5ns Max	HALF CAN
22788	OSC40.500M-HALF500	TXC	O.S.C (Half Can) Crystal Clock	40.500MHz	50ppm	3.3or5V		5ns Max	HALF CAN
22790	OSC48.000M-HALF500	TXC	O.S.C (Half Can) Crystal Clock	48.000MHz	50ppm	3.3or5V		5ns Max	HALF CAN
22791	OSC49.152M-HALF500	TXC	O.S.C (Half Can) Crystal Clock	49.152MHz	50ppm	3.3or5V		5ns Max	HALF CAN
22792	OSC50.000M-HALF505	TXC	O.S.C (Half Can) Crystal Clock	50.000MHz	50ppm	5V		5ns Max	HALF CAN
22793	OSC75.000M-HALF855	TXC	O.S.C (Half Can) Crystal Clock	75.000MHz	25ppm	5V		5ns Max	HALF CAN
6927	OSC80.000M-FULL	TXC	14 Pins TTL Crystal Clock Oscillators	80.000	25ppm	5V	50mA	5ns	FULL CAN
22794	OSC83.000M-HALF833	TXC	O.S.C (Half Can) 8 Pins Crystal Clock	83.000MHz	25ppm	3.3V		5ns Max	HALF CAN
6956	OSC9.600M-HALF	TXC	14 Pins TTL Crystal Clock Oscillators	9.600MHz	25ppm	5V	50mA	10ns	HALF CAN

MEC Crystal Products MEC_Crystal M49,M49L,HC-49 Series

Detailed product specifications are available on: us.100y.com.tw



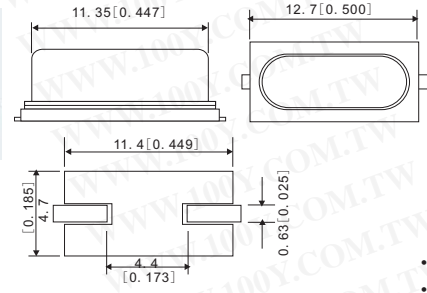
Crystal Holder Prefix	Thru-hole types:	
	H49, H50: Straight wire leads	H49T: Straight wire leads
Mode of Oscillation	See E.S.R. table below	
Frequency Tolerance at +25°C	SL-cut: ± 50 ppm ($\pm 0.005\%$) at 25°C; AT-cut: ± 30 ppm ($\pm 0.003\%$) at 25°C Tolerance as tight as ± 3 ppm is also available.	
Frequency Stability	SL-cut: ± 100 ppm ($\pm 0.01\%$) over -10 to +60°C AT-cut: ± 50 ppm ($\pm 0.005\%$) over -10 to +60°C. Stability as tight as ± 3 ppm over 0 to +50°C or ± 7 ppm over -20 to +70°C is also available.	
Shunt Capacitance (Co)	7 pF maximum	
Load Capacitance (CL)	Series (spec. code is "S") or Parallel (If parallel, please specify CL value, typical CL ranges from 8 to 32 pF)	

- The H49/U and H50/U series are the resistance-weld version of the old solder seal types HC-18/U and HC-25/U respectively. They are physically interchangeable.
- No solder or flux involved in the sealing process. Low aging.
- HC-49/U is wire lead type and HC-50/U is plug-in type.
- Two different holder heights to choose from: 13.6mm and 11.2mm.

Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	\pm ppm	Load capacitance(pF)	Can Style
11736	H49-32.000A3-S	MEC	Quartz Crystal	32.000	± 30 ppm	20pF	HC-49/U
3327	H49G-1.8432-20P	MEC	Quartz Crystal	1.8432	+/-30ppm	20pF	HC-49/U
3211	H49G-12.000393-20P	MEC	Quartz Crystal	12.000393MHz	± 30 ppm	20pF	HC-49/U
7854	H49G-2.000-20P	MEC	Quartz Crystal Units	2MHz	± 30 ppm	20pF	HC-49/U
3711	H49G-2.516-20P	MEC	Quartz Crystal	2.516MHz	30ppm	20pF	HC-49/U
6983	H49G-28.322-32P	MEC	MEC_Quartz Crystal	28.322MHz	± 30 ppm	32pF	HC-49/U



Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	\pm ppm	Load capacitance(pF)	Can Style
28721	HUS-11.0592-20P	MEC	Quartz Crystal Unit	11.0592MHz	30ppm	20pF	HC-49/S
33439	HUS-12.288-32P	MEC	Quartz Crystal Units	12.288MHz	30ppm	32pF	HC-49/S(10.77*4.34*3.5L/mm)
11226	HUS-6.000-18P	MEC	Quartz Crystal Units	6.000	30ppm	18pF	HC-49/S



Calibration Tolerance:	± 30 ppm ($\pm 0.003\%$) at 25°C
Frequency Stability:	AT-cut: ± 30 ppm ($\pm 0.003\%$) over -10 to +60°C BT-cut: ± 100 ppm ($\pm 0.01\%$) over -10 to +60°C
Shunt Capacitance (Co):	7pF maximum
Drive Level:	500 μ W maximum
Aging:	Less than ± 3 ppm per year. At +25°C
Reflow Soldering:	10 seconds maximum at +260°C
Storage Temperature:	-40 to +85°C
Packaging	12 mm pitch; 24 mm tape; 360 mm reel; 1000 pcs per reel.

- Model M49G is the surface mount version of the HC-49/US low profile crystal.
- Lowest cost. The most economic solution for automatic assembly.

Part No.	Product No.	Manufacturer	Description	Frequency(MHz)	\pm ppm	Load capacitance(pF)	Can Style
15724	M49G-12.000-18P	MEC	MEC_SMD Quartz Crystal	12.000MHz	± 30 ppm	18pF	HC-49/SMD
23346	M49G-14.31818-18P	MEC	SMD Quartz Crystal	14.31818MHz	± 30 ppm	18pF	HC-49/SMD
23331	M49G-16.000-18P	MEC	SMD Quartz Crystal	16.000MHz	± 30 ppm	18pF	HC-49-SMD
23217	M49G-16.384-S	MEC	QUARTZ CRYSTAL UNIT	16.384MHz	+/-30ppm	18pF	HC-49/SMD



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