

FREQUENCY	CRYSTALS		CLOCK OSCILLATOR
CONTROLS			ASA.
			at garage
		CASTARAN COMMITTEE OF THE PARTY	
SERIES	MP-MICROPROCESSOR	AT STRIP	MXO 45
Standard Models		ATS-ATSSM-ATP	_
9 × 6 4 5 × 6 × 6	_		_
Package	HC/49-HC/51	HC/49LP/LP Plastic	14 PIN DIP
Frequency Range	1.00 to 25.00 MHz	3.5 to 24.0 MHz	1.0 to 80 MHz
Frequency Tolerance @ 25° C	±.005% (50 PPM)	±.005% (50 PPM)	
0° -70° C Tolerance	±.005% (30 PFNI)	±.005%	±.01% (100 PPM)
Operating Temperature	0° C to +70° C	0° C to +70° C	0° C to +70° C
Duty Cycle	0.000100		40/60%
Rise and Fall Time			TTL 5nS max CMOS 10nS max
Rise and Fall Time Supply Voltage (DC)		1	TTL 5nS max CMOS 10nS max 5.0 Volts ±10%
			5.0 Volts ±10% CMOS/10 TTL
Output Logic	FREQ	FREQUENCY	CMOS/10     L
\$ 7.5 miles (1.5 miles	PART NUMBER (MHz) Holder Corr.	PART NUMBER (MHz)	PART NUMBER (MHz)
7 · 5 · 1 · 1 · 2 · 3 · 3 · 3 · 1 · 3 · 3 · 3 · 3 · 3 · 3	MP010 1.000000 HC/33-51 13 PF	ATS036 3.579545	MXO45 1.000
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	MP018 1.843200 HC/33-51 13 PF MP018S 1.843200 HC/49 13 PF	ATS036SM 3.579545 ATP036SM 3.579745	MX045 1.8432 MX045 2.000
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	MP020 2,000000 HC/33-51 20 PF	ATS040 4.000000	MXO45 2.4576
1	MP020S 2.000000 HC/49 20 PF MP024 2.457600 HC/33-51 32 PF	ATS040SM 4.000000 ATP040SM 4.000000	MX045 3,6864 MX045 4,000
	MP024S 2.457600 HC/49 32 PF	ATS042 4.915200	MXO45 4.9152
	MP030 3.000000 HC/33-51 18 PF MP032 3.276800 HC/33-51 15 PF	ATS042SM 4.915200 ATP042SM 4.915200	MX045 5.000 MX045 5.0688
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MP036 3.579545 HC/33-51 18 PF	ATS050 5.068800	MXO45 6.000
	MP036S 3.579545 HC/49 18 PF	ATS050SM 5.068800	MX045 6.144 MX045 7.3728
	MP037 3.686400 HC/49 20 PF MP040 4.000000 HC/49 20 PF	ATS060 6.000000	MXO45 8.000
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	MP04A 4.000000 HC/49 Series	ATS060SM 6.000000	MXO45 10.000
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(1) 日本日本工作の開発を (1) 日本日本工作の開発を (1) 日本日本工作の開発を (1) 日本日本工作のできる。	MP05A 5.000000 HC/49 20 PF	ATS08ASM 8.000000	MXO45 16.000
	MP05B 5.000000 HC/49 Series MP050 5.068800 HC/49 Series	ATP08ASM 8.000000 ATS100 10.000000	MX045 18.432 MX045 19.6608
	MP060 6.000000 HC/49 20 PF	ATS100SM 10.0000000	MXO45 20.000
11. 人名 12. 人名	MP061 6.144000 HC/49 20 PF	ATP100SM 10.000000	MXO45 24.000 MXO45 25.000
· · · · · · · · · · · · · · · · · · ·	MP073 7.372800 HC/49 Series MP080 8.000000 HC/49 Series	ATS120 12.000000 ATS120SM 12.000000	MX045 25.175
1	MP080A 8.000000 HC/49 20 PF	ATP120SM 12.000000	MX045 28.322
	MP098 9.830400 HC/49 20 PF MP100 10.000000 HC/49 Series	ATS160 16.000000 ATS160SM 16.000000	MX045 32,000 MX045 40,000
· 公司、明文、曹明二 · · · · · · · · · · · · · · · · · · ·	MP101 10.000000 HC/49 30 PF	ATP160SM 16.000000	MXO45 50.000
	MP107 10.738635 HC/49 32 PF	ATS200 20.000000	MX045 64.000 MX045 66.6666
	MP111 11.059200 HC/49 Series	ATS200SM 20.000000 ATP200SM 20.000000	MX045 66.6666 MX045 80.000
	MP120 12.000000 HC/49 Series		
人,是有意思。 《《《··································	MP143 14.318180 HC/49 Series	1	
	MP147 14.745600 HC/49 Series	1	
· · · · · · · · · · · · · · · · · · ·	MP150 15,000000 HC/49 Series MP160 16,000000 HC/49 Series	1	
	MP184 18.432000 HC/49 Series	1	
	MP196 19.660800 HC/49 Series	1	
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	MP240 24.000000 HC/49 Series	1	
1 2 2 2 2 3 3 4 4 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	MP245 24.576000 HC/49 Series MP250 25.000000 HC/49 Series	1	[
	25.000000 HC/49 Series		ı

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MXO 45HS	MXO 55	MXO 55L	EXO 55
_	GA-2C	GA-2C	GO-2C
_	GB-2C	GB-2C	_
8 PIN DIP	14 PIN DIP	14 PIN DIP	14 PIN DIP
1.0 to 80 MHz	19.2 KHz to 100 MHz	2.4576 to 70 MHz	8 to 130 MHz
±.01% (100 PPM)	±.01% (100 PPM)	±.01% (100 PPM)	±.01% (100 PPM)
0° C to +70° C	0° C to +70° C	0° C to +70° C	0° C to +70° C
40/60%	40/60%	40/60%	40/60%
TTL 5nS max CMOS 10nS max	5nS max	5nS max	2.5nS max
5.0 Volts ±10%	5.0 Volts ±10%	5.0 Volts±10%	
CMOS/10 TTL	10TTL	10TTL	10KH ECL
FREQUENCY	FREQUENCY	FREQUENCY	FREQUENCY
PART NUMBER (MHz)  MX045HS 1.000	PART NUMBER (MHz) MX055GB-2C 1.843200 *	PART NUMBER (MHz) MX0-55LGB-2C 2.4576	PART NUMBER (MHz) EX055G0-2C 80.0000
MXO45HS 1.8432	MX055GB-2C 3.686400	MXO-55LGB-2C 3.6864	EX065G0-2C 100.0000
MX045HS 2.000 MX045HS 2.4576	MX055GB-2C 4.000000 MX055GA-2C 4.915200	MX0-55LGB-2C 4.0000 MX0-55LGA-2C 4.9152	EX055G0-2C 110.0000
MX045HS 2.4576 MX045HS 3.6864	MX055GA-2C 4.915200 MX055GA-2C 5.068800	MX0-55LGA-2C 4.9152 MX0-55LGA-2C 5.0688	EX055G0-2C 120.0000
MX045HS 4.000	MX055GA-2C 7.372800	MXO-55LGA-2C 6.0000	
MX045HS 4.9152	MX055GA-2C 8.000000	MX0-55LGA-2C 6.1440	
MX045HS 5.000 MX045HS 5.0688	MX055GA-2C 10.000000 MX055GA-2C 12.000000	MX0-55LGA-2C 7.3728 MX0-55LGA-2C 8.0000	
MXO45HS 6.000	MX055GA-2C 14.318180	MXO-55LGA-2C 10.0000	
MXO45HS 6.144 MXO45HS 7.3728	MX055GA-2C 16.000000 MX055GA-2C 16.257000	MX0-55LGA-2C 11.0592 MX0-55LGA-2C 12.0000	
MX045HS 8.000	MX055GA-2C 18.432000	MXO-55LGA-2C 14.31818	
MXO45HS 10.000	MX055GA-2C 19.660800	MX0-55LGA-2C 16.0000	
MX045HS 12.000 MX045HS 14.31818	MX055GA-2C 20.000000 MX055GA-2C 24.000000	MXO-55LGA-2C 16.2570 MXO-55LGA-2C 18.4320	
MX045HS 16.000	MX055GA-2C 32.000000	MX0-55LGA-2C 19.6608	
MX045HS 18.432 MX045HS 19.6608	MX055GA-2C 40.000000	MX0-55LGA-2C 20,0000 MX0-55LGA-2C 24,0000	
MX045HS 20.000	*18ns Max	MX0-55LGA-2C 25.0000	
MX045HS 24 000	Rise & Fall Time	MXO-55LGA-2C 25.1750	
MX045HS 25.000 MX045HS 25.175	-	MX0-55LGA-2C 28.3220 MX0-55LGA-2C 32.0000	
MX045HS 28.322	]	MXO-55LGA-2C 40.0000	
MX045HS 32.000		MXO-55LGA-2C 48.0000	
MX045HS 40.000 MX045HS 50.000	•	MX0-55LGA-2C 64.0000	
MX045HS 64.000			
MXO45HS 66.6666			
MX045HS 80.000			
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Available from CTS Stocking Distributors \_\_\_\_\_5

