

# YIC Recommended YIC MHz SMD Crystals

## SMDXT114 , SMDXT214 , SMDXT224 , SMDXT324

### YIC---XT114 Series(1.6x1.2mm)

YIC P/N	額定頻率 (Fo) [MHz]	負載電容 (CL) [pF]	頻率公差 (Tolerance) [x10 <sup>-6</sup> ]	頻率溫度穩定度 (Stability) [x10 <sup>-6</sup> ]
26M8P2/XT114-10/10	26	8	±10	±10/ -20°C to +70°C
37.4M10P2/XT114-10/10	37.4	10	±10	±10/ -20°C to +70°C

### YIC---XT214 Series(2.0x1.6mm)

YIC P/N	額定頻率 (Fo) [MHz]	負載電容 (CL) [pF]	頻率公差 (Tolerance) [x10 <sup>-6</sup> ]	頻率溫度穩定度 (Stability) [x10 <sup>-6</sup> ]
20M10P2/XT214-10/10	20	10	±10	±10/ -20°C to +70°C
24.576M10P2/XT214-10/10	24.576	10	±10	±10/ -20°C to +70°C
24M9P2/XT214-10/10	24	9	±10	±10/ -20°C to +70°C
24M10P2/XT214-10/10	24	10	±10	±10/ -20°C to +70°C
24M8P2/XT214-10/10	24	8	±10	±10/ -20°C to +70°C
24M12P2/XT214-10/10	24	12	±10	±10/ -20°C to +70°C
25M8P2/XT214	25	8	±30	±30/ -20°C to +70°C
25M10P2/XT214	25	10	±30	±30/ -20°C to +70°C

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<b>26M10PI/XT214-10</b>	26	10	±10	±30/ -40°C to +85°C
<b>26M10P2/XT214-10/10</b>	26	10	±10	±10/ -20°C to +70°C
<b>27.12M8PI/XT214-10</b>	27.12	8	±10	±30/ -40°C to +85°C
<b>27.12M8P2/XT214-10/10</b>	27.12	8	±15	±10/ -20°C to +70°C
<b>27M10PI/XT214</b>	27	10	±30	±30/ -40°C to +85°C
<b>27M10P2/XT214-10/10</b>	27	10	±10	±10/ -20°C to +70°C
<b>30M10P2/XT214-10/10</b>	30	10	±10	±10/ -20°C to +70°C
<b>32M10PI/XT214-10/20</b>	32	10	±10	±20/ -40°C to +85°C
<b>32M10P2/XT214-10/10</b>	32	10	±10	±10/ -20°C to +70°C
<b>37.4M9PI/XT214-10</b>	37.4	9	±10	±30/ -40°C to +85°C
<b>37.4M9P2/XT214-10/10</b>	37.4	9	±10	±10/ -20°C to +70°C
<b>38.4M8P2/XT214-10/10</b>	38.4	8	±10	±10/ -20°C to +70°C
<b>40M8PI/XT214-10</b>	40	8	±10	±30/ -40°C to +85°C
<b>40M8P2/XT214-10/10</b>	40	8	±10	±10/ -20°C to +70°C
<b>48M10P2/XT214-10/10</b>	48	10	±10	±10/ -20°C to +70°C
<b>48M8PI/XT214</b>	48	8	±30	±30/ -40°C to +85°C
<b>50M7P2/XT214-10/10</b>	50	7	±10	±10/ -20°C to +70°C
<b>52M10P2/XT214-10/10</b>	52	10	±10	±10/ -20°C to +70°C
<b>54M6P2/XT214-10/15</b>	54	6	±10	±15/ -20°C to +70°C

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## YIC---XT224 Series(2.5x2.0mm)

YIC P/N	額定頻率 (Fo) [MHz]	負載電容 (CL) [pF]	頻率公差 (Tolerance) [x10 <sup>-6</sup> ]	頻率溫度穩定度 (Stability) [x10 <sup>-6</sup> ]
12M10P2/XT224	12	10	±30	±30/ -20°C to +70°C
16M9P2/XT224-10/10	16	9	±10	±10/ -20°C to +70°C
16M12P2/XT224-10/10	16	12	±10	±10/ -20°C to +70°C
20M16P2/XT224-10/10	20	16	±10	±10/ -20°C to +70°C
24M12P2/XT224-10	24	12	±10	±30/ -20°C to +70°C
24.576M8P2/XT224-10/10	24.576	8	±10	±10/ -20°C to +70°C
26M10P2/XT224-10/10	26	10	±10	±10/ -20°C to +70°C
27M12P2/XT224	27	12	±30	±30/ -20°C to +70°C
27.12M13P2/XT224-10/10	27.12	13	±10	±10/ -20°C to +70°C
32M12P2/XT224-10/10	32	12	±10	±10/ -20°C to +70°C
38.4M10P2/XT224-10/10	38.4	10	±10	±10/ -20°C to +70°C
40M9P2/224-10/10	40	9	±10	±10/ -20°C to +70°C
40M12P2/XT224-10/10	40	12	±10	±10/ -20°C to +70°C
48M7P2/XT224	48	7	±50	±30/ -20°C to +70°C

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## YIC---XT324 Series(3.2x2.5mm)

YIC P/N	額定頻率 (Fo) [MHz]	負載電容 (CL) [pF]	頻率公差 (Tolerance) [x10 <sup>-6</sup> ]	頻率溫度穩定度 (Stability) [x10 <sup>-6</sup> ]
12M12P2/XT324	12	12	±30	±30/ -20°C to +70°C
12M20P2/XT324	12	20	±30	±30/ -20°C to +70°C
16M10P2/XT324	16	10	±30	±30/ -20°C to +70°C
16M12P2/XT324-10	16	12	±10	±30/ -20°C to +70°C
16M20P2/XT324	30	20	±30	±30/ -20°C to +70°C
16M9P2/XT324-10/10	16	9	±10	±10/ -20°C to +70°C
20M10P2/XT324	20	10	±30	±30/ -20°C to +70°C
20M9P2/XT324-10/10	20	9	±10	±10/ -20°C to +70°C
20M20P2/XT324	20	20	±30	±30/ -20°C to +70°C
24.576M10P2/XT324	24.576	10	±30	±30/ -20°C to +70°C
24M10P2/XT324	24	10	±30	±30/ -20°C to +70°C
24M12P2/XT324-10	24	12	±10	±30/ -20°C to +70°C
24M7P2/XT324-10/10	24	7	±10	±10/ -20°C to +70°C
24M9P2/XT324-10/10	24	9	±10	±10/ -20°C to +70°C
24M20P2/XT324-10/10	24	20	±10	±10/ -20°C to +70°C
24M20P2/XT324	24	20	±30	±30/ -20°C to +70°C
25M10P2/XT324-20	25	10	±20	±30/ -20°C to +70°C
25M20P2/XT324	25	20	±30	±30/ -20°C to +70°C
26M8P2/XT324-10/10	26	8	±10	±10/ -20°C to +70°C
27M10P2/XT324-10/10	27	10	±10	±10/ -20°C to +70°C

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<b>27M12P2/XT324</b>	27	12	±30	±30/ -20°C to +70°C
<b>27M20P2/XT324</b>	27	20	±30	±30/ -20°C to +70°C
<b>30M10P2/XT324</b>	30	10	±30	±30/ -20°C to +70°C
<b>32M10P2/XT324</b>	32	10	±50	±30/ -20°C to +70°C
<b>32M12P2/XT324-10/10</b>	32	12	±10	±10/ -20°C to +70°C
<b>38.4M10P2/XT324-10/10</b>	38.4	10	±10	±10/ -20°C to +70°C
<b>40M10P2/XT324-10/10</b>	40	10	±10	±10/ -20°C to +70°C
<b>48M7P2/XT324</b>	48	7	±30	±30/ -20°C to +70°C

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## Parts Numbering of YIC Quartz Crystal Unit

Frequency in MHz	M	Load Capacitance	P	Operation Temp.	Vibration Mode	Package Code	Tolerance in 25°C	Stability over Operation Temp.	Custom Speci.
00 : Series		00 : Series		1 : -10 ~ + 60°C	Blank : AT- Fund.	49U	5 : ± 5PPM	5 : ± 5PPM	*
6 : 6pf		6 : 6pf		Blank : -10 ~ + 70°C	A3 : AT- 3rd.	49T	10 : ± 10PPM	10 : ± 10PPM	
7 : 7pf		7 : 7pf		2 : -20 ~ + 70°C	A5 : AT- 5th.	49US	15 : ± 15PPM	15 : ± 15PPM	
8 : 8pf		8 : 8pf		27 : -20 ~ + 75°C	A7 : AT- 7th.	49SL	20 : ± 20PPM	20 : ± 20PPM	
9 : 9pf		9 : 9pf		28 : -20 ~ + 85°C	BF : BT- Fund.	49SMT	Blank : ± 30PPM	Blank : ± 30PPM	
10 : 10pf		10 : 10pf		37 : -30 ~ + 75°C		49SLMT	50 : ± 50PPM	50 : ± 50PPM	
12 : 12pf		12 : 12pf		3 : -30 ~ + 80°C		50U	100 : ± 100PPM	100 : ± 100PPM	
16 : 16pf		16 : 16pf		38 : -30 ~ + 85°C		51U	X : Custom	150 : ± 150PPM	
18 : 18pf		18 : 18pf		I : -40 ~ + 85°C		UM1	:	X : Custom	
20 : 20pf		20 : 20pf		A : -40 ~ + 105°C		UM5	:	:	
22 : 22pf		22 : 22pf		B : -40 ~ + 125°C		AT26	:	:	
30 : 30pf		30 : 30pf		C : -55 ~ + 125°C		SMAT26B			
33 : 33pf		33 : 33pf		X : Custom		SMAT26BSP			
:		:				AT38			
:		:				SMAT38A			
						AT39			
						SMAT39A			
						AT310			
						SMAT310A			
						MA406			
						XT754			
						XT63x			
						XT53x			
						XT324			
						XT224			
						XT214			
						XT114			