北京科瑞思特电子有限公司
Beijing Crystal Electronics Co., Ltd.

XM75,XM63,XM53

SMD Package.
Excellent frequency-temperature characteristics extending across a wide temperature range.
Excellent aging characteristics.

Table1 Specifications

Parameter	XM75	XM63	XM53
Frequency Range	8~40MHz	10~40MHz	12~40MHz
Vibration Mode	AT Cut / Fund		
Frequency Tolerance (@25℃±2℃)	±5~±20ppm, ±10ppm typical		
Frequency Stability vs Operation Temperature Range	See Table 2		
Resonance Resistance	See Table 3		
Shunt Capacitance	5pF max		
Load Capacitance	6pF~∞,Series		
Drive Level	2uW~500uW		
Insulation Resistance	500MΩ@DC100V		
Aging	±1, ±2ppm/year		
Package	XM75	XM63	XM53
Package Option	-T:Tape and Reel		

Table2 Frequency Stability vs Operation Temperature Range(Ref to 25℃) & Option Code

	±3ppm	5ppm	10ppm	±20ppm	±30ppm	±50ppm
0~50°C	A03	A05	A10	A20	A30	A50
-10~60°C	B03	B05	B10	B20	B30	B50
-20~70°C		C05	C10	C20	C30	C50
-30~80°C			D10	D20	D30	D50
-40~85°C				E20	E30	E50

Table3 Resonance Resistance

Frequency	Vib.Mode	M75,XM63,XM53
8~10MHz	ATCut/Fund	50Ωmax
10~15MHz	AT Cut/Fund	40Ωmax
15~40MHz	AT Cut/Fund	30Ωmax

SMD Crystals

Part Numbering Key

	SERIES	CIRCUIT CONDITION	FREQ. TOLERANCE @25℃	MODE	FREQ. STABILITY vs.TEMP	PACKAGE	PACKAGE OPTIONS	FREQUENCY
	XM75 XM63 XM53	S=Series 6P，8P 10P，12P 15P，20P extra	±5~±20ppm	F=Fundimental	See Table2	XM75 XM63 XM53	See Table1	12M,12.8M 13M,14.4M, 19.2M,26M 20M,etc
Sample Part Numbers								
XM53-15P10FB10-XM53-T @19.680Mhz	**XM53**	**15P**	**10**	**F**	**B10**	**XM53**	**-T**	**19.680MHz**