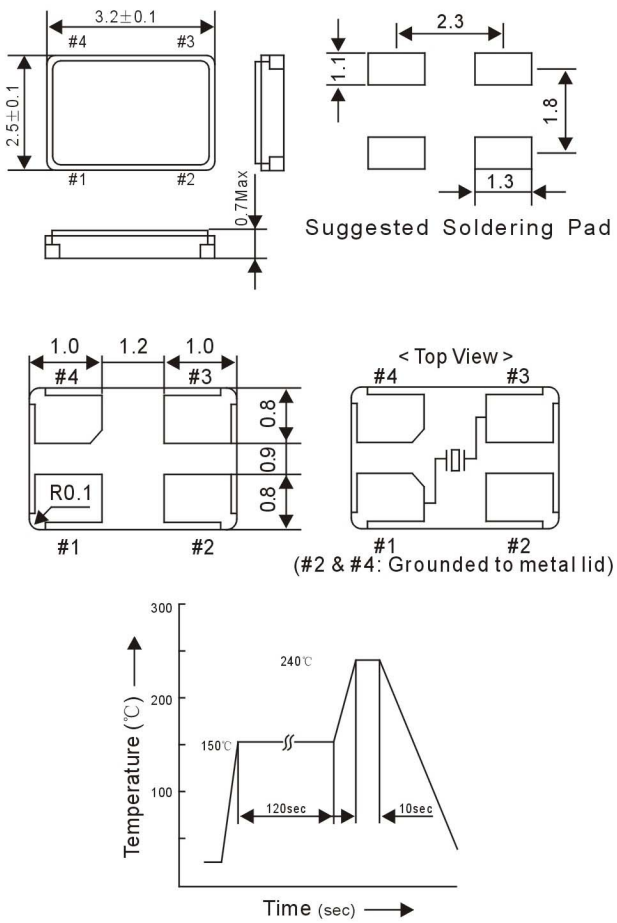
Quartz Series

Series KX7 KX7T KX7E

External dimensions

Unit: mm



Item	Specification	Remarks
Nominal Frequency Range	16.000MHz to 60.000MHz	Fundamental Mode
Operating Temperature Range	-20℃to +70℃	KX7
	-40℃to +85℃	KX7T
	-40℃to +105℃	KX7E
Frequency Tolerance	±50PPM at 25℃±3℃	±10 to ±50PPM(Available)
Temperature Tolerance	±50PPM at -20℃to ±70℃	±10 to ±50PPM(Available)
	±100PPM at -40℃to ±85℃	±20 to ±100PPM(Available)
	±120PPM at -40℃to ±105℃	±30 to ±120PPM(Available)
Load Capacitance	16pF(Standard)	7 to 20pF(Avaiable)
Series Resistance	As ESR Table	
Shunt Capacitance	5.0pF	Minimum
Drive Level	100 μ W	
Aging	±5PPM/Year	Maxinum

Resistance of Series Resonance (ESR)

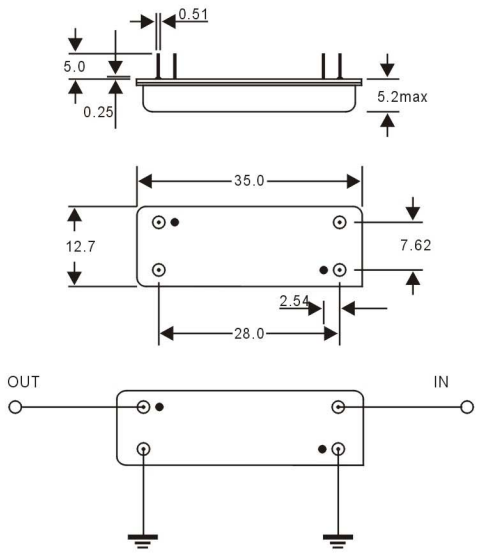
Frequency (MHz)	Mode	Ohm Max	Frequency (MHz)	Mode	Ohm Max
16.000~30.000	Fund.	100	30.100~60.000	Fund.	50

Remark:
All specifications subject to change without notice.

Series SAW70M

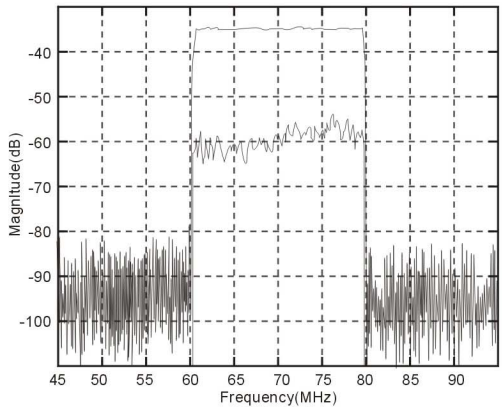
External dimensions

Unit: mm



Source/Load Impedance = 50 ohms
Matching Configuration

SAW70M Filter Electrical Characteristic (Others are offered)

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.95	70	70.05
Insertion Loss	dB		34.5	35.5
3 dB Bandwidth	MHz	19.2	19.28	
40 dB Bandwidth	MHz		19.88	20
Passband variation	dB		0.9	1.5
Absolute Delay	usec		3.89	
Ultimate Rejection	dB	45	50	
Substrate Material		YZLN		
Ambient Temperature	℃	25		
Package Size		DIP3512(35x5.2mm³)		

Typical Performance