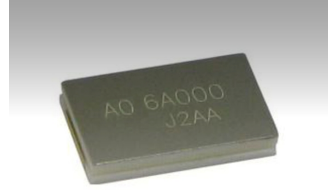




Features:

- SMD
- High reliability
- ultra-thin and small leadless type
- for high mechanical demands available



AC7050/2
AC7050/4

Specifications			
	Symbol	AC7050	Remarks
Frequency range	f	6.000MHz ~ 27.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C	$\Delta f/f$	$\pm 20\text{ppm} \sim \pm 50\text{ppm}$	Please specify
Load capacitance	C_L	10pF ~ series	Please specify
Temperature tolerance	$\Delta f/f$	$\pm 20\text{ppm} \sim \pm 50\text{ppm}$	Please specify
Temperature range	Storage temperature	T_{STG}	-55°C ~ +125°C
	Operating temperature	T_{OPR}	-20°C ~ +70°C
Drive level	Maximum drive level	M_{DL}	500μW
	Recommended drive level	R_{DL}	20μW ~ 100μW
Series resistance	R_1	As per table	25°C ±3°C
Shunt capacitance	C_0	7pF	Max
Insulation resistance	I_R	500M Ohm	Max
Aging	Δf_A	±5ppm/Year max	Others are offered

Resistance of series resonance (ESR)					
Frequency (MHz)	Mode	Ohm max	Frequency (MHz)	Mode	Ohm max
6,0 ≤ f < 12	Fundamental	80	21 ≤ f < 27	Fundamental	50
12 ≤ f < 21	Fundamental	60			

Drawing	
AC7050/2	AC7050/4
RECOMMENDED SOLDERING PATTERN	RECOMMENDED SOLDERING PATTERN
Dimensions in mm	

Order key								
Q	- 10.000000M	- AC7050/4	- F	- 30	- 50	- D	- 16	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	AC7050/2 AC7050/4	F=fund.	±ppm (25°C)	±ppm (Temp. range)	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C E= -40°C ~ +85°C	pF SR=series	TR=Tape and reel X=Special options
		/2 = 2 pads /4 = 4 pads						