

● **Crystal Resonator (晶体谐振器) – SMD Type (表贴型)**

● **MG-3A,7A**



● **Applications 用途:**

Computer clocks, pagers, Cordless phone & consumer relative products. 电脑周边产品, 传呼机, 无绳电话及相关民用产品。

● **Features 特征:**

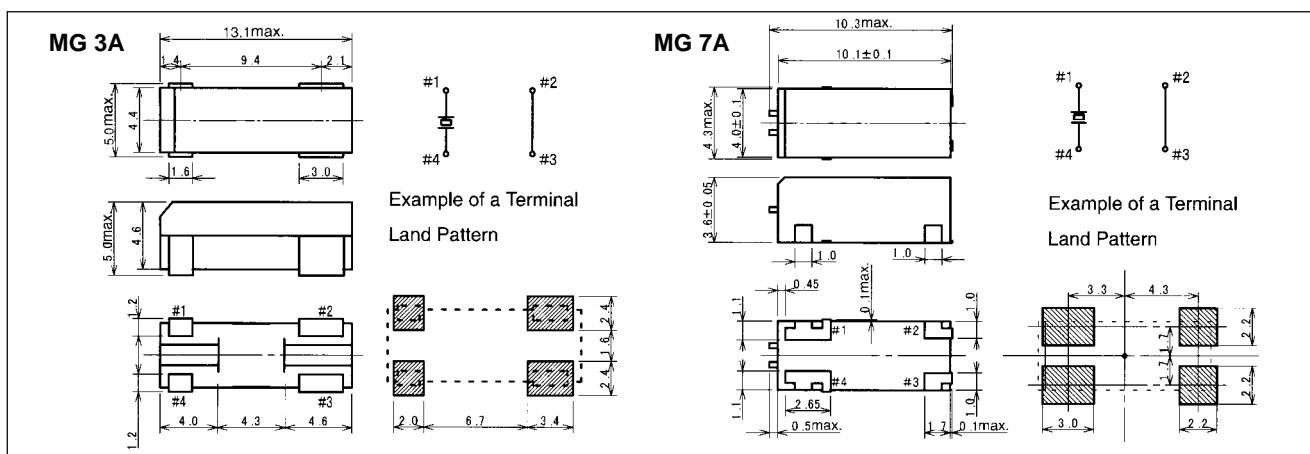
- The products are surface mounting type assembled in a compact package. 产品为复合式组装表面贴装型晶体。
- Reflow soldering is possible. 适用于回流焊作业。

● **Typical specifications 规格参数**

Type	型号	MG3A, MG7A		
Frequency range	频率范围	3.579 ~ 40MHz	30 ~ 40MHz	30 ~ 90MHz
Cut / Vibration mode	切型 / 振荡	[AT] Fund.(基频)	[BT] Fund.(基频)	[AT] 3rd O.T. (三次泛音)
Frequency tolerance(at +25℃)	调整频差	± 30ppm, ± 50ppm		
Frequency stability	温度频差	± 50ppm	± 100ppm	± 50ppm
Operating temperature range	工作温度	-10 ~ +60℃		
Equivalent series resistance	等效电阻	See Table1 (见表 1)		
Load capacitance	负载电容	Series, 10pF, 12pF, 16pF, etc.		
Shunt capacitance	静电容	5pF max.		
Level of drive	激励功率	10μW(100μW max.)		
Aging	老化率	± 3, ± 5ppm/year		
Storage temperature range	储存温度	-40 ~ +90℃		

● Please consult for other specifications. (若有其它规格需求请告知)

● **Outline Dimensions [Unit: mm] 外形尺寸**



● **Table1: Equivalent series resistance (ESR) 等效电阻**

Fundamental				AT 3rd Overtone				
Frequency(MHz)		ESR(Ω)		Frequency(MHz)		ESR(Ω)	Frequency(MHz)	ESR(Ω)
AT	3.579 ~ 3.999	200		AT	9.000 ~ 9.999	60		AT
	4.000 ~ 4.499	150	10.000 ~ 12.999		50	35.000 ~ 39.999	70	
	4.500 ~ 4.999	120	13.000 ~ 18.999		35	40.000 ~ 44.999	65	
	5.000 ~ 5.999	100	19.000 ~ 40.000		25	45.000 ~ 49.999	60	
	6.000 ~ 8.999	80	BT		30.000 ~ 40.000	25	50.000 ~ 90.000	