



Features

Ultrathin thickness 1.0mm or less
Tape and Reel is available,
Automatic mountable
Tight Tolerance /Stability
Reflow is possible



Specifications

Type		SMD 5032	SMD 4025
频率范围 (MHz) Frequency Range	AT Fundamental	7.600~54.000MHz	12.000~50.000MHz
	3 rd Overtone	40.000~125.000MHz	
振动模式 Vibration Mode		AT Fundamental, 3 rd Overtone	
调整频差 (ppm) Frequency Tolerance (at 25°C)		± 10ppm, ± 30ppm, ± 50ppm	
温度频差 (ppm) Frequency Stability Over Temperature Range		± 10ppm, ± 30ppm, ± 50ppm	
工作温度 (°C) Operating Temperature		-10°C ~ +60°C, -20°C ~ +70°C	
储存温度 (°C) Storage Temperature Range		-40°C ~ +85°C	
等效电阻 (Ω) Equivalent Series Resistance		See Table	
静态电容 (pF) Shunt Capacitance		5.0 pF Max	
负载电容 (pF) Load Capacitance		CL ≥ 10pF or Series Resonance	
绝缘电阻 (MΩ) Insulation Resistance		≥ 500M Ω // DC100V ± 10V	
激励功率 (μW) Drive Level		0.01 μW ~ 100 μW	
老化率 (ppm/y) Aging		± 2ppm/year, ± 5ppm/year	

All specifications subject change without notice.

Equivalent Series Resistance (ESR) (Table)

Freq.Range(MHz)	Mode of Oscillation	ESR(Ω Max)	
		5032	4025
7.600~11.900	AT.Fund	100	/
12.000~13.900	AT.Fund	60	60
14.000~15.900	AT.Fund	50	60
16.000~19.900	AT.Fund	50	40
20.000~54.000	AT.Fund	40	30
40.000~59.000	3 rd Overtone	70	/
60.000~125.000	3 rd Overtone	60	/

SMD Crystal 5032, 4025

■ Environmental / Mechanical Specifications

Parameter	Specifications
Seal integrity	Bubble test in Perfluorocarbon at 125°C±5°C for 60 seconds minimum
Solder ability	Sn63 Solder dip at 230°C ±5°C for 5 seconds 95% coverage
Marking permanency	10 strokes with brush after 1 minute soak in solvent, 3 times
Shock	Random drop on hard wooden plate 3 times from a height of 50cm
Thermal shock	10 cycles from -55°C ~ +125°C

■ Dimension (Unit: mm)

