

Features

- Resistance welded type crystal units;
- Wide operating temperature range;
- Applications: Automobile audio, Smart automobile keys;
- RoHS Compliant / Pb Free



Crystals specifications

ITEMS(项目)	PARAMETER(规格说明) A91
Frequency Range	3.2 ~ 90 MHz
Frequency Tolerance (at 25 °C)	± 10 ppm, ± 20 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 30 ppm, or specify
Operating Temperature Range	- 40 ~ +85 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 μW (50 μW typical)
Load Capacitance	12PF or specify
Aging (at 25°C)	± 2 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C
Packing Unit	200pcs/Bag
Reliability Standard(可靠性标准)	AEC-Q200

Equivalent Series Resistance(ESR)

Fundamental		3rd Overtone	
3.2-3.686MHZ	200 Ω Max	27-30MHZ	100 Ω Max
3.686-5MHZ	150Ω Max	30-50MHZ	80Ω Max
5-10MHZ	80 Ω Max	50-90MHZ	60 Ω Max
10-14MHZ	40 Ω Max		
14-30MHZ	30Ω Max		

Dimensions and patterns(unit:mm)

