



Features

- External dimensions: 11.5 x 4.8 x 3.0mm;
- Frequency range: 3.579545MHz ~ 64MHz;
- Surface mount type crystal units;
- A great number of standard frequencies;
- High frequency pullability and low equivalent series resistance;
- Highly mass production capability;
- Applications: PC, STB, LCDM and Cable Modem;

Crystals specifications

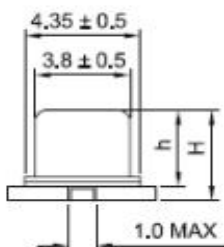
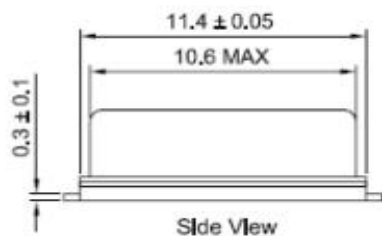
ITEMS (项目)	PARAMETER (规格说明)
Frequency Range	3.2 ~ 90 MHz
Frequency Tolerance (at 25 °C)	± 20ppm, or specify
Frequency Stability Over Operating Temperature Range	± 20ppm, or specify
Operating Temperature Range	- 20 ~ +70 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 uW (50 uW typical)
Load Capacitance	Series, 9 pF 12 pF 16 pF, 18 pF, 20 pF, 22 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C
Packing Unit	1,000pcs/Reel

Equivalent Series Resistance(ESR)

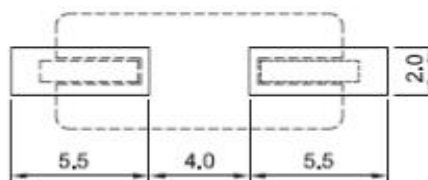
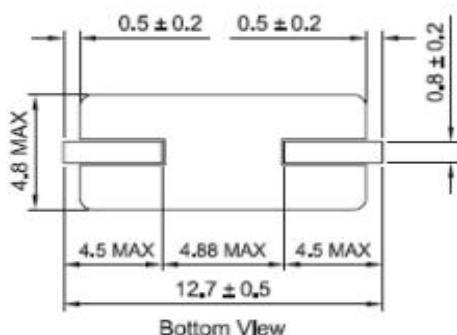
Fundamental

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



TYPE	H (SMD HIGH)	h (BODY HIGH)
B	3.0 ± 0.3	2.3 ± 0.3



Top View Suggested Layout