



Features

- > Resistance welded type crystal units.
- > A great number of standard frequencies .
- > High frequency pullability and low equivalent series resistance.
- > Lower cost and highly mass production capacity.
- > The best choice of PC, STB, LCDM, and Cable Modem.
- > RoHS Compliant / Pb Free.

Electrical Specifications

Holder Type	Φ 3*8	Φ 2*6
Frequency Range	3.579~50MHz	4.000~50MHz
Load Capacitance	12~30 pF, or specify	
Frequency Tolerance (at 25 °C)	±10、±20、±30、±50 ppm、 or specify	
Operating Temperature Range	-20 ~ +70 °C、 -40 ~ +85 °C、 or specify	
Storage Temperature Range	-40 ~ +85 °C	
Shunt Capacitance (C0)	3.0 pF TYPE.	
Drive Level	10~ 100 μW MAX.	
Insulation Resistance	500 MΩ Minimum at 100VDC	
Aging (at 25°C)	±3/±5 ppm / year Max.	

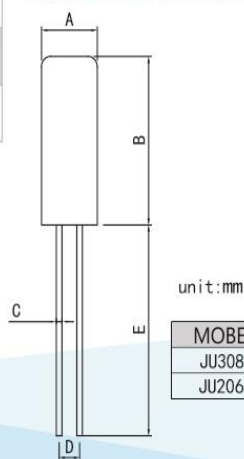
Equivalent Series Resistance(ESR)

Frequency Range (MHz)	Mode	ESRΩ(MAX)
3.57~3.99	FUND	180
4.00~4.49	FUND	150
4.50~4.99	FUND	120
5.00~6.99	FUND	100
7.00~9.99	FUND	80
10.00~11.99	FUND	60
12.00~29.99	FUND	40
30.00~50.00	3RD	80

Frequency Stability Over Operating Temperature Range

Temperature Range	Frequency Stability (ppm)			
	±10	±15	±20	±30
0 ~ +50°C	*	*	*	*
-10 ~ +60°C	*	*	*	*
-20 ~ +70°C		*	*	*
-30 ~ +80°C		*	*	*
-40 ~ +85°C			*	*

Dimensions



unit:mm

MOBEL	A	B	C	D	E
JU308	Φ 3.1	8.0	Φ 0.3	1.1	10
JU206	Φ 2.1	6.0	Φ 0.2	0.7	7