



# MHz RANGE CRYSTAL UNIT LOW PROFILE SMD

## FA-365

- Frequency range : 12 MHz, 14 MHz to 41 MHz
- External dimensions : 6.0 × 3.5 × 1.4 t (mm)
- Overtone order : Fundamental
- Applications : For Clock of integrated circuit



Product Number (please contact us)  
Q22FA3650xxx00



Actual size



### Specifications (characteristics)

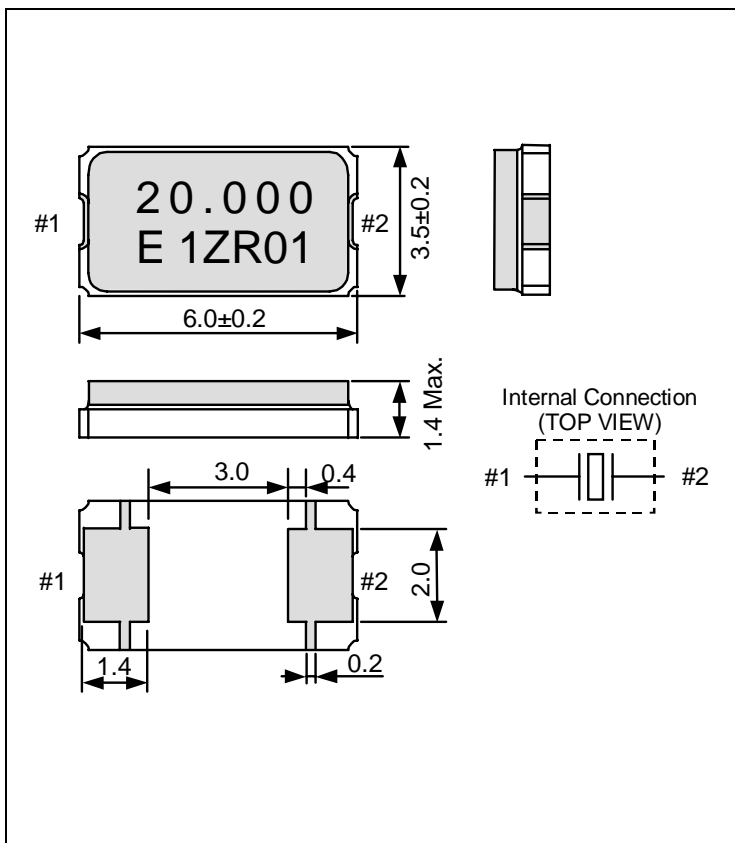
Item	Symbol	Specifications	Remarks	
Nominal frequency range	f_nom	12.000 MHz, 14.000 MHz to 41.000 MHz	Fundamental	
Temperature range	Storage temperature	T_stg	-55 °C to +125 °C	Store as bare product after unpacking
	Operating temperature	T_use	-20 °C to +70 °C	Please contact us on availability of -40 °C to +85 °C
Level of drive	DL	10 μW to 100 μW		
Frequency tolerance (standard)	f_tol	±50 × 10 <sup>-6</sup> , ±100 × 10 <sup>-6</sup>	+25 °C	
Frequency versus temperature characteristics (standard)	f_tem	±30 × 10 <sup>-6</sup>	-20 °C to +70 °C For the out of standard specifications, please contact us for inquires	
Load capacitance	CL	10 pF to ∞	Please specify	
Motional resistance (ESR)	R1	As per below table	-20 °C to +70 °C, DL=100 μW	
Frequency aging	f_age	±5 × 10 <sup>-6</sup> / year Max.	+25 °C, First year	

### Motional resistance (ESR)

Frequency	Motional resistance
12.0 MHz	60 Ω Max.
14.0 MHz ≤ f_nom ≤ 41.0 MHz	50 Ω Max.

### External dimensions

(Unit:mm)



### Footprint (Recommended)

(Unit:mm)

