

Product name FA-128 16.000000 MHz 10.0 +10.0-10.0

Product Number / Ordering code Q22FA12800341xx

Please refer to the 5.Packing information about xx (last 2 digits)

Pb free / Complies with EU RoHS directive

Reference weight Typ. 7 mg

1.Absolute maximum ratings

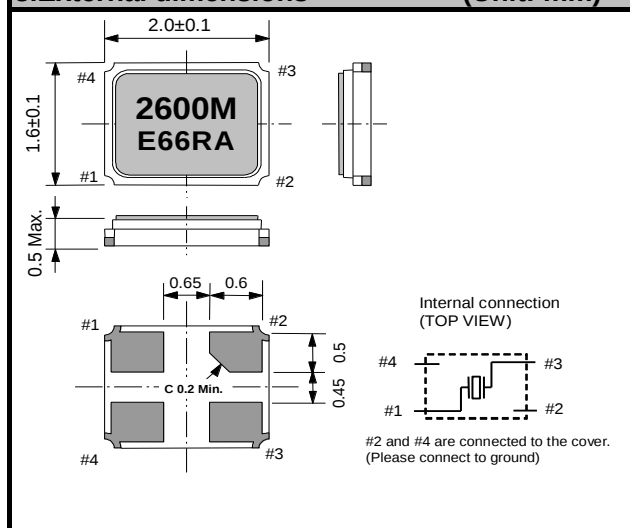
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-40	-	+125	°C	Storage as single product

2.Specifications(characteristics)

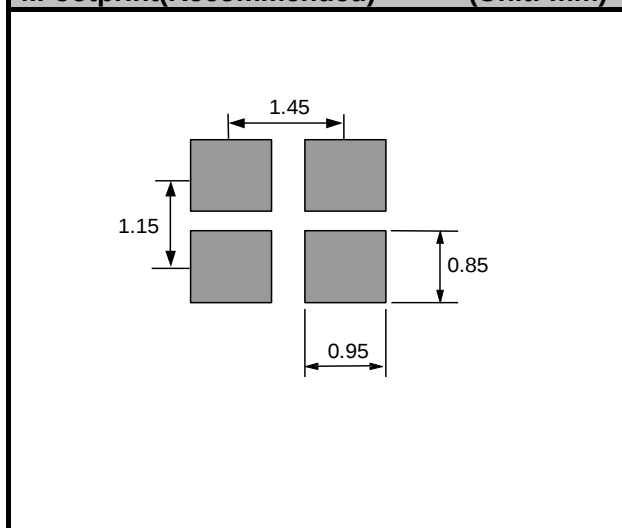
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	16.000000	—	MHz	Fundamental
Frequency tolerance	f_tol	-10	-	10	x 10 ⁻⁶	@+25°C
Frequency Stability over temperature	f_tem	-10	-	10	x 10 ⁻⁶	-20°C to 75°C
Operating temperature	T_use	-20	-	+75	°C	
Level of drive	DL	10	-	100	μW	Recommended:1 to 100μW
Load capacitance	CL	—	10	—	pF	
Motional resistance (ESR)	R1	-	-	200	Ω	
Motional capacitance	C1	-	1.469	-	fF	
Motional inductance	L1	-	67.352	-	mH	
Shunt capacitance	C0	-	0.53	-	pF	
Frequency aging	f_age	-1	—	1	x10 ⁻⁶ /yea	@+25°C, First year

3.External dimensions

(Unit: mm)

**4.Footprint(Recommended)**

(Unit: mm)

**5.Packing information**

[1]Product number last 2 digits code (xx) description

The recommended code is "18"

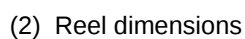
Q22FA12800341xx

Code	Condition	Code	Condition
01	Any Q'ty vinyl bag(Tape cut)	00	3000pcs / Reel
11	Any Q'ty / Reel	18	5000pcs / Reel
12	250pcs / Reel		
14	1000pcs / Reel		

(1) Tape dimensions TE0804L

Material of the Top Tape : PET+PE

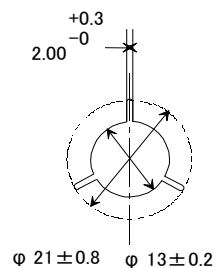
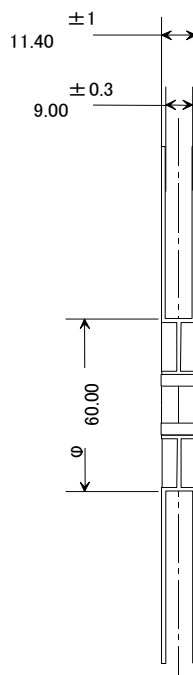
10P : 40 ± 0.15



Material of the Reel : PS

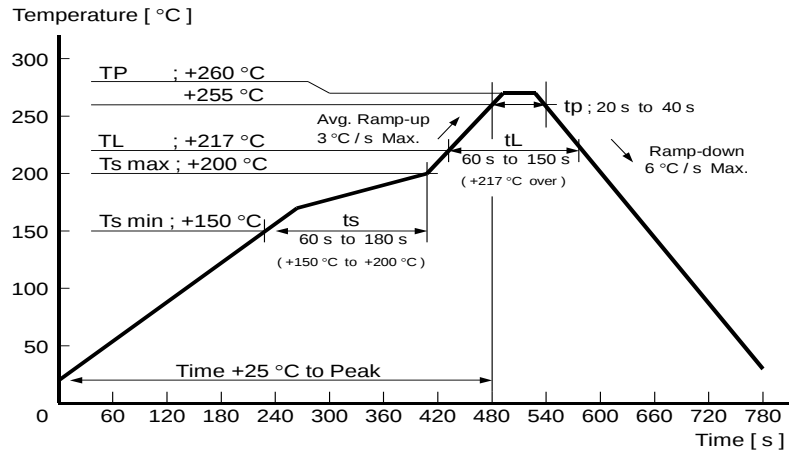
Technical drawing of a wheel rim cross-section. The drawing shows a circular rim with five spokes. Key dimensions and labels include:

- Overall Diameter:** $\phi 180.00$ (indicated by a dimension line at the top).
- Spoke Diameter:** $\phi 160$ (indicated by a dimension line for one spoke).
- Spoke Width:** $\phi 76$ (indicated by a dimension line for the width of a spoke).
- Hub Diameter:** $H\phi 3$ (indicated by a dimension line for the central hub).
- Label G:** Points to the central hub area.
- Dimension $\phi -3$:** Located at the top right, likely indicating a tolerance or offset.



6. Reflow profile

Reflow condition (Follow of JEDEC STD-020D.01)



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