

Product name FA-128 48.000000 MHz 7.0 +30.0-30.0

Product Number / Ordering code Q22FA12800321xx

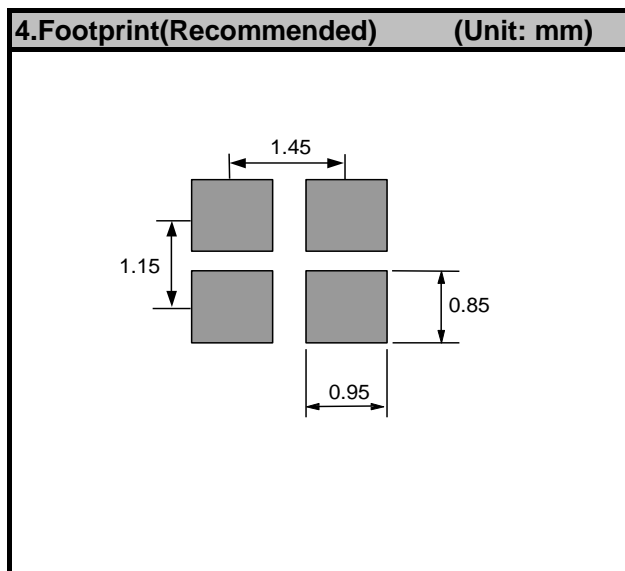
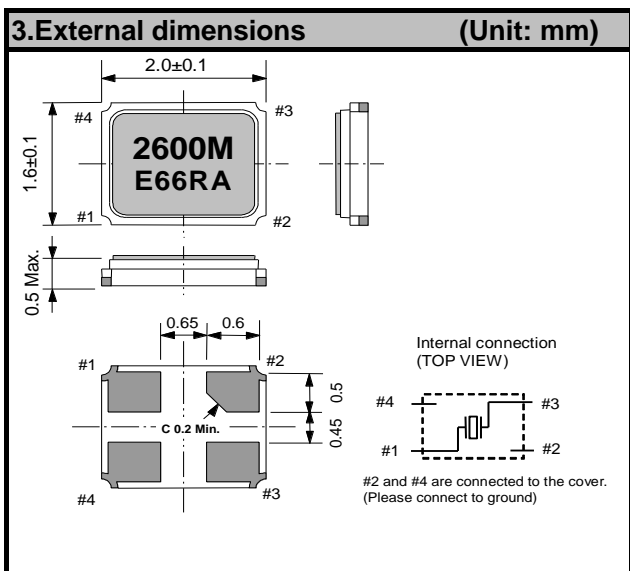
Please refer to the 5.Packing information about xx (last 2 digits)

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
Operating temperature	T_use	-40	-	+105	°C	

2.Specifications(characteristics)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	—	48.000000	—	MHz	Fundamental
Frequency tolerance	f_tol	-30	-	+30	x 10 ⁻⁶	@+25°C
Frequency Stability over temperature	f_tem	-30	-	+30	x 10 ⁻⁶	-20°C to +75°C
Operating temperature	T_use	-20	-	+75	°C	
Level of drive	DL	10	-	100	μW	
Load capacitance	CL	—	7	—	pF	
Motional resistance (ESR)	R1	-	-	60	Ω	
Motional capacitance	C1	-	3.33	-	fF	
Motional inductance	L1	-	3.30	-	mH	
Shunt capacitance	C0	-	0.86	-	pF	
Frequency aging	f_age	-5	—	+5	x10 ⁻⁶ /yea	@+25°C, First year



5.Packing information

[1]Product number last 2 digits code (xx) description The recommended code is "18"

Q22FA12800321xx

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		

