## kHz Range Crystal unit

## MC-306

### SEIKO EPSON CORPORATION

Product name Product Number / Ordering code

# MC-306 32.768000 kHz 12.5 +30.0-30.0 Q13MC30620038xx

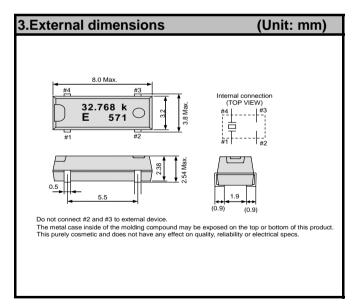
Please refer to the 5.Packing information about xx (last 2 digits)

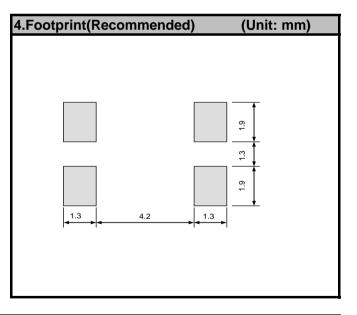
Complies with EU RoHS directive

Reference weight Typ. 126 mg

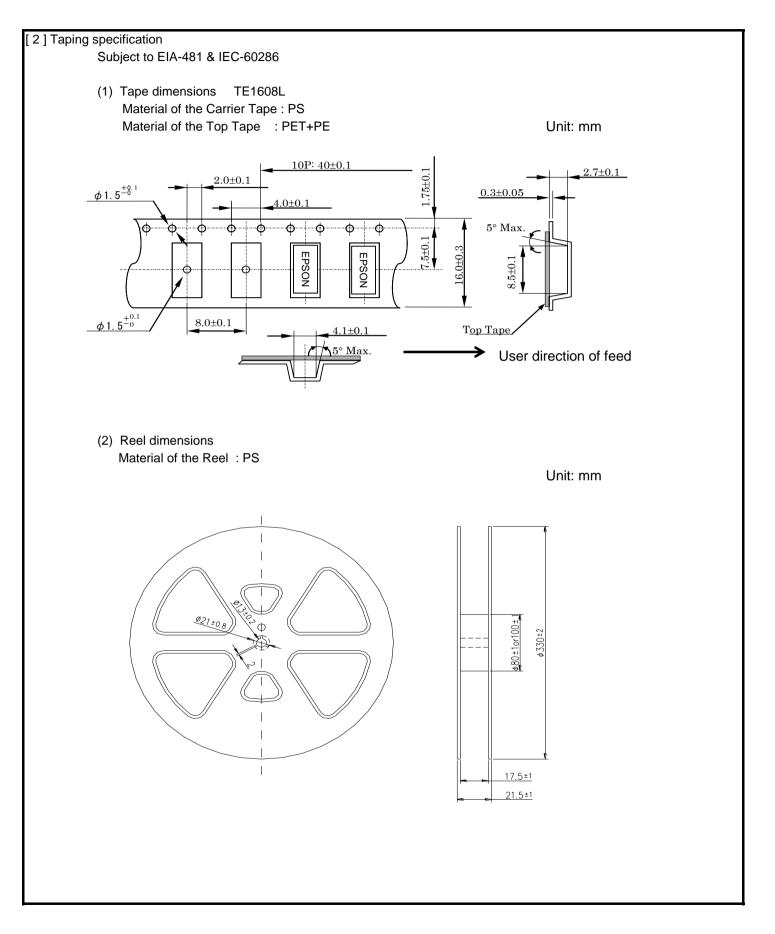
1.Absolute maximum ratings						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-55	-	125	°C	Storage as single product
Maximum drive level	GL	-	-	1.0	μW	

2.Specificatoins(characteris	stics)					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Nominal frequency	f_nom	-	32.768	-	kHz	
Operating temperature	T_use	-40	-	85	°C	
Level of drive	DL	-	-	1.0	μW	
Frequency tolerance	f_tol	-30.0	-	+30.0	x 10⁻ <sup>6</sup>	+25ºC DL=0.1µW
Turnover temperature	Ti	20	25	30	°C	
Parabolic coefficient	В	-	-	-0.04	x 10 <sup>-6</sup> /°C <sup>2</sup>	
Load capacitance	CL	-	12.5	-	pF	
Motional resistance (ESR)	R1	-	35	50	kΩ	
Motional capacitance	C1	-	1.8	-	fF	
Shunt capacitance	C0	-	0.9	-	pF	
Motional inductance	L1	-	11.7	-	kH	
Frequency aging	f_age	-3	-	3	x10 <sup>-6</sup> /yea	@+25°C, First year

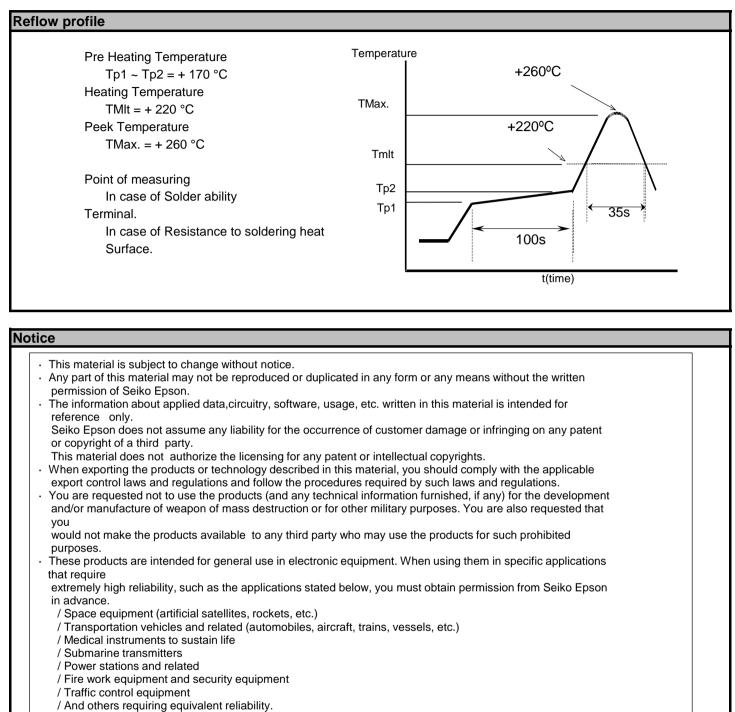




5.Packing	informati	on					
[1]Product	1 ]Product number last 2 digits code (xx) description			The recommended code is "00"			
	Q13MC30	620038xx					
	Code	Condition	Code	Condition			
	01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel			
	11	Any Q'ty / Reel	15	2000pcs / Reel			
	12	250pcs / Reel	00	3000pcs / Reel			
	13	500pcs / Reel					



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