## kHz Range Crystal unit

### MC-306

### SEIKO EPSON CORPORATION

Product name Product Number / Ordering code

# MC-306 77.500000 kHz 30.0 +50.0-50.0 Q14MC30610053xx

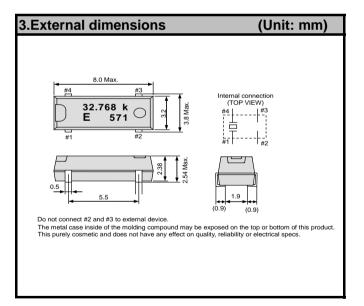
Please refer to the 5.Packing information about xx (last 2 digits)

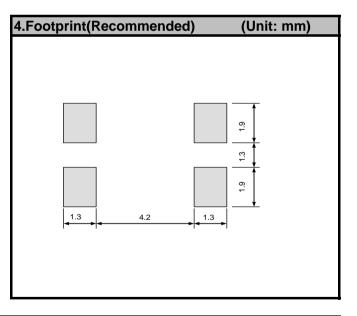
Complies with EU RoHS directive

Reference weight Typ. 126 mg

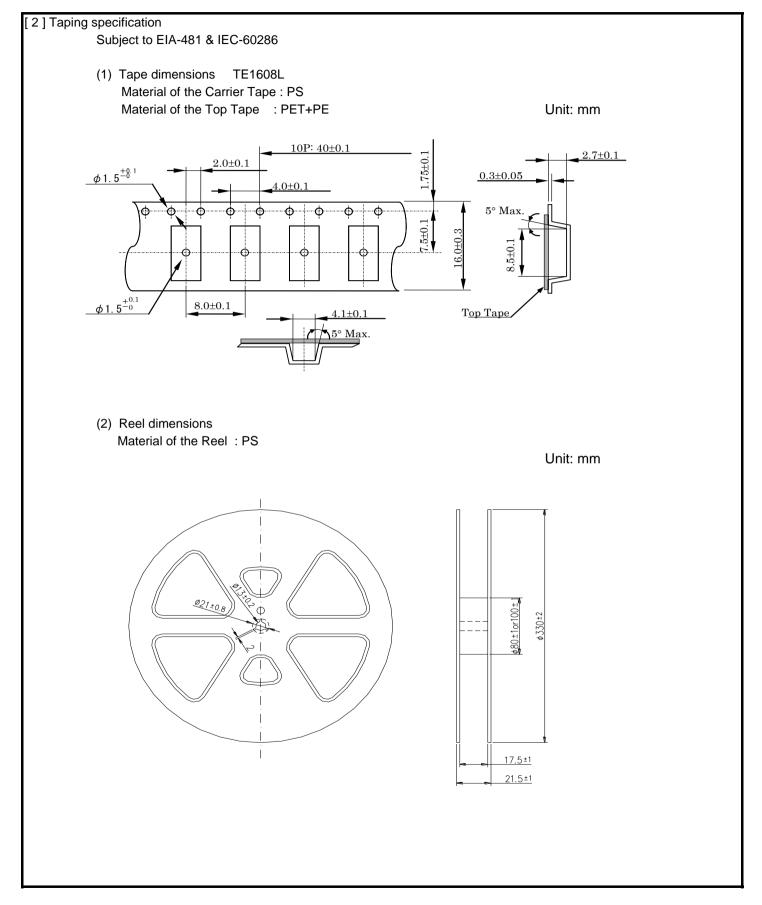
1.Absolute maximum ratings						
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks
Storage temperature	T_stg	-55	-	125	°C	Storage as single product
Maximum drive level	GL	-	-	1.0	μW	

2.Specificatoins(characteristics)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Nominal frequency	f_nom	-	77.5	-	kHz		
Operating temperature	T_use	-40	-	85	٥C		
Level of drive	DL	-	-	1.0	μW		
Frequency tolerance	f_tol	-50.0	-	+50.0	x 10⁻ <sup>6</sup>	+25°C DL=0.1µW	
Turnover temperature	Ti	20	25	30	٥C		
Parabolic coefficient	В	-	-	-0.04	x 10 <sup>-6</sup> /°C <sup>2</sup>		
Load capacitance	CL	-	30.0	-	pF		
Motional resistance (ESR)	R1	-	TBD	TBD	kΩ		
Motional capacitance	C1	-	TBD	-	fF		
Shunt capacitance	C0	-	TBD	-	pF		
Motional inductance	L1	-	TBD	-	kH		
Frequency aging	f_age	-5	-	5	x10 <sup>-6</sup> /yea	@+25ºC, First year	

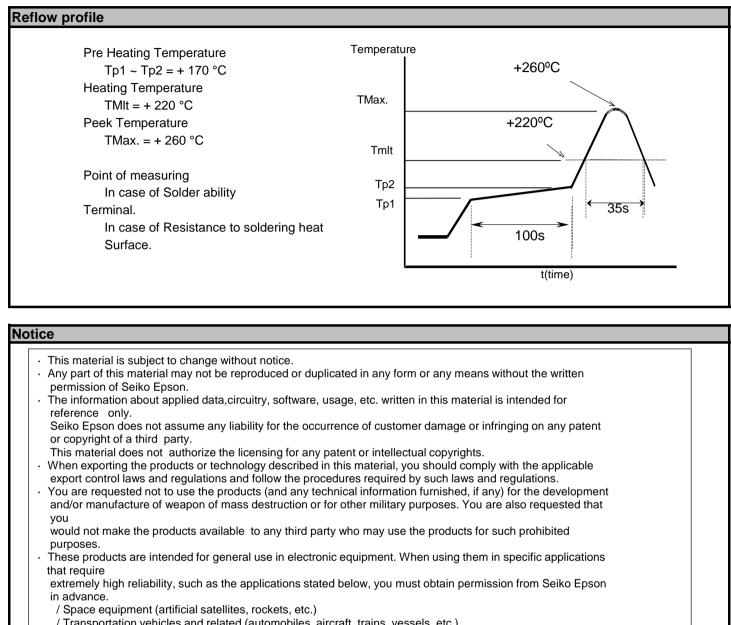




5.Packing	informati	on			
[1]Product	]Product number last 2 digits code (xx) description				
	Q14MC30	610053xx			
	Code	Condition	Code	Condition	
	01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel	
	11	Any Q'ty / Reel	15	2000pcs / Reel	
	12	250pcs / Reel	00	3000pcs / Reel	
	13	500pcs / Reel			



### SEIKO EPSON CORPORATION



- / Transportation vehicles and related (automobiles, aircraft, trains, vessels, etc.)
- / Medical instruments to sustain life
- / Submarine transmitters
- / Power stations and related
- / Fire work equipment and security equipment
- / Traffic control equipment
- / And others requiring equivalent reliability.

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