MC-146

SEIKO EPSON CORPORATION

Product name

MC-146 32.768000 kHz 6.0 +20.0-20.0

Product Number / Ordering code

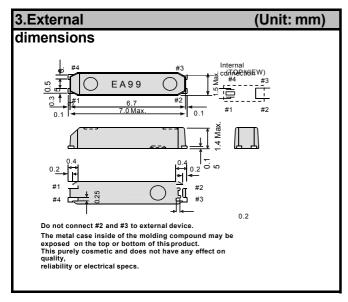
Q13MC14610006xx

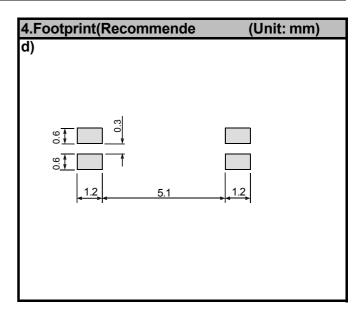
Please refer to the 5.Packing information about xx (last 2

Complies with EU RoHS directive Reference weight Typ.

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			

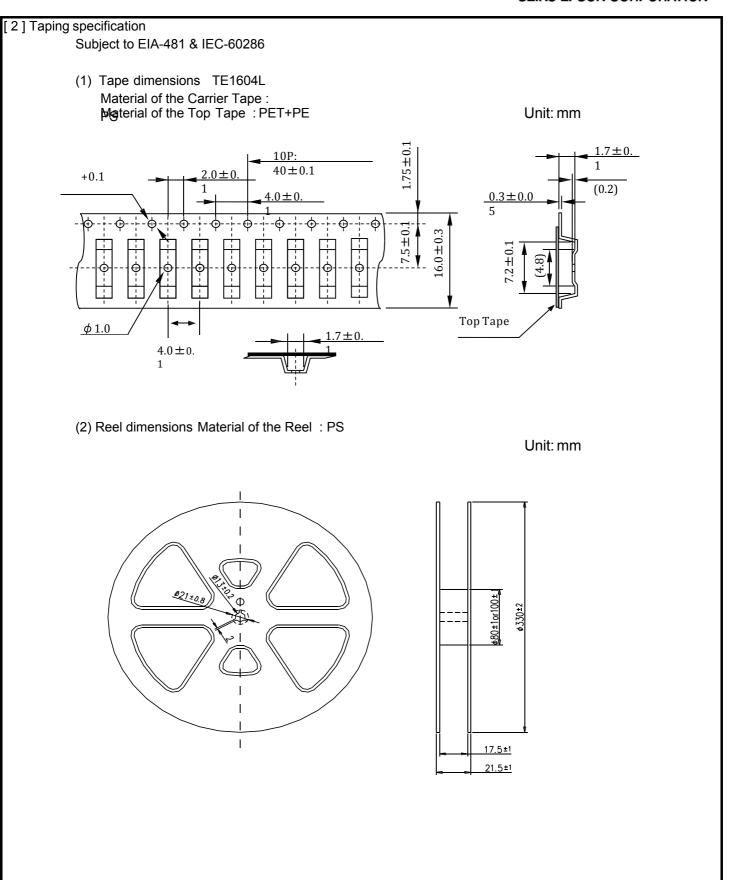
2.Specificatoins(characteristics)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Nominal frequency	f_nom	-	32.768	-	kHz		
Operating temperature	T_use	-40	-	85	°C		
Level of drive	DL	-	-	1.0	μW		
Frequency tolerance	f_tol	-20.0	-	+20.0	x 10 ⁻⁶	+25°C DL=0.1μW	
Turnover temperature	Ti	20	25	30	°C		
Parabolic coefficient	В	-	-	-0.04	x 10 ⁻⁶ /°C ²		
Load capacitance	CL	-	6.0	-	pF		
Motional resistance (ESR)	R1	-	45	65	kΩ		
Motional capacitance	C1	-	1.9	-	fF		
Shunt capacitance	C0	-	0.8	-	pF		
Motional inductance	L1	-	11.7	-	kH		
Frequency aging	f_age	-3	-	3	x10 ⁻⁶ /yea	@+25°C, First year	



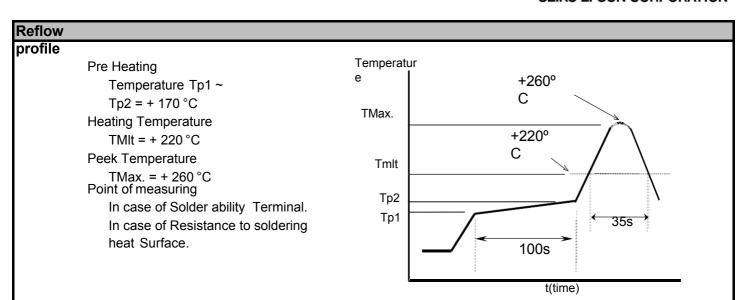


5.Packing	informati	on			
[1]Product number last 2 digits code (xx) description			The recommended code is "0X"		
	Q13MC14	610006xx			
	Code	Condition	Code	Condition	
	01	Any Q'ty vinyl bag(Tape cut)	14	1000pcs / Reel	
	11	Any Q'ty / Reel	15	2000pcs / Reel	
	12	250pcs / Reel	00	3000pcs / Reel	
	13	500pcs / Reel	0X	9000pcs / Reel	

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