# SAW Resonator FS-585

Product name FS-585 434.000000MHz 99.0 +50.0-50.0 Product Number / Ordering code Q25FS58500015xx

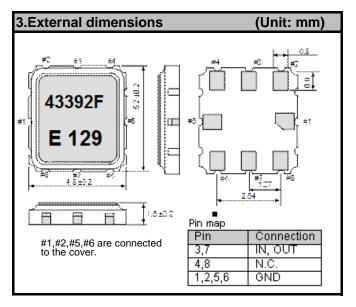
Please refer to the 5.Packing information about xx (last 2 digits)

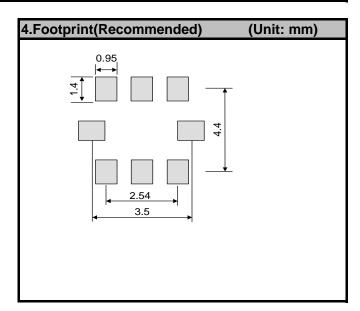
Pb free / Complies with EU RoHS directive

Reference weight Typ. 112 mg

1.Absolute maximum ratings							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Storage temperature	T_stg	-40	-	125	۰C	-	
Maximum drive level	GL	-	-	10.0	mW	Suppose to be undestroyed	

2.Specificatoins(characteristics)							
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions / Remarks	
Nominal frequency	f_nom		434		MHz		
Operating temperature	T_use	-40	-	120	۰C	-	
Level of drive	DL	-	2	-	mW	-	
Frequency tolerance	f_tol	-50	-	50	x 10 <sup>-6</sup>	-	
Turnover temperature	Ti	30	40	50	۰C	-	
Parabolic coefficient	В	-	-3.4		x 10 <sup>-8</sup> /°C <sup>2</sup>	-	
Motional resistance (ESR)	R1	-	-	18	Ω	T_use= +25degC	
Motional capacitance	C1	-	2.1	-	fF	315MHz	
Shunt capacitance	C0	-	3.1	-	pF	315MHz	
Motional inductance	L1	-	TBD	-	mH	-	
Inharmonic spurious	RS/R1	R1 x 2	-	-		-	
Frequency aging	f_age	-10	-	10	x10 <sup>-6</sup> /yea	T_use= +25degC	





5.Packing	informati	on				
[1]Product	]Product number last 2 digits code (xx) description			The recommended code is "00"		
	Q25FS585	500015xx				
	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	16	3000pcs / Reel		
	13	500pcs / Reel	00	4000pcs / Reel		

## **SEIKO EPSON CORPORATION**

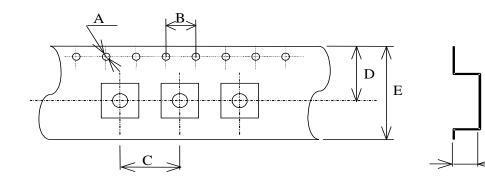
## [ 2 ] Taping specification

Subject to EIA-481 & IEC-60286

(1) Tape dimensions

Material of the Carrier Tape : PS Material of the Top Tape : PET+PE

Unit: mm

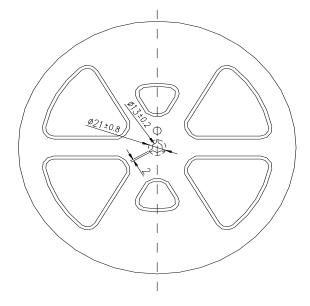


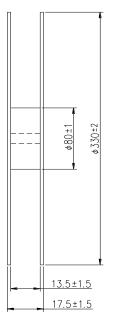
Symbol	Α	В	С	D	Е	F
FF-555	Ф1.5	4	8	7.25	12	1.7

## (2) Reel dimensions

Material of the Reel: PS

Unit: mm





#### **SEIKO EPSON CORPORATION**

### 6.Reflow profile

Pre Heating Temperature

Tp1 ~ Tp2 = + 170 °C

Heating Temperature

TMIt = + 220 °C

Peek Temperature

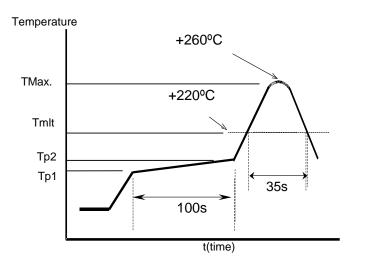
TMax. = + 260 °C

Point of measuring

In case of Solder ability

Terminal.

In case of Resistance to soldering heat Surface.



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