

The ECS-CTA Series SMD ceramic resonator is a low cost frequency control solution when absolute frequency accuracy is not important.

Request a Sample

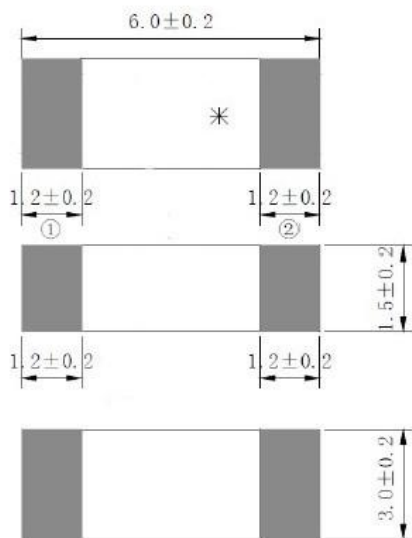


- 6.0 x 3.0 mm package
- Industry Standard footprint
- Extended Temp. Range

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECS-CTA			UNITS
		MIN	TYP	MAX	
Frequency		2.00		12.00	MHz
Resonant Resistance	2 ~ 2.99 MHz			100	Ω
	3 ~ 3.49 MHz			50	Ω
	3.5 ~ 12 MHz			30	Ω
Frequency Tolerance	@ +25°C			± 0.5	%
Frequency Stability	-25 ~ +85°C			± 0.2	%
Withstanding Voltage	DC, 5 s Max.			100	V
Insulation Resistance	10V, 1 Min.	100			M Ω
Operating Temperature	T _{opr}	-25		+85	°C
Storage Temperature	T _{stg}	-55		+85	°C
Aging (First Year)	@ +25°C $\pm 3^\circ\text{C}$			± 0.1	%

DIMENSIONS (mm)



*:EIAJ Monthly Code

PAD CONNECTIONS	
1	In/Out
2	Out/In

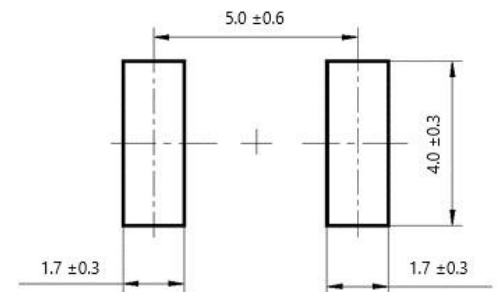


Figure 1) Top, Side, and Bottom views

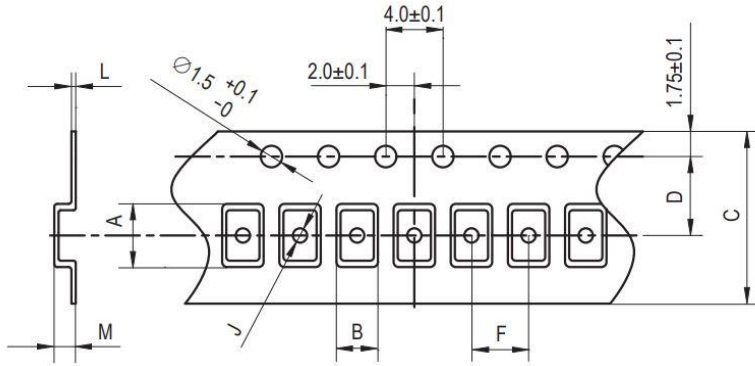
Figure 2) Suggested Land Pattern

PART NUMBERING GUIDE: Example ECS-CTA-8.00-TR

ECS -CTA	FREQUENCY	PACKAGING
	8.00 = 8.000 MHz *See Developed Frequencies Pg. 2	TR = Tape & Reel 4K/Reel

*Contact ECS for availability of non-developed frequencies.

POCKET TAPE DIMENSIONS (mm)



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
6.4	3.4	16.0	7.5	8.0	1.6	0.3	2.1	330 mm	4000

SOLDER PROFILE
Peak solder Temp +260°C Max 10 sec Max.
2 Cycles Max.
MSL 1, Lead Finish Sn/Ag

DEVELOPED FREQUENCIES
2.00 MHz
3.58 MHz
3.64 MHz
3.68 MHz
4.00 MHz
4.19 MHz
4.91 MHz
5.00 MHz
6.00 MHz
8.00 MHz
10.00 MHz
12.00 MHz

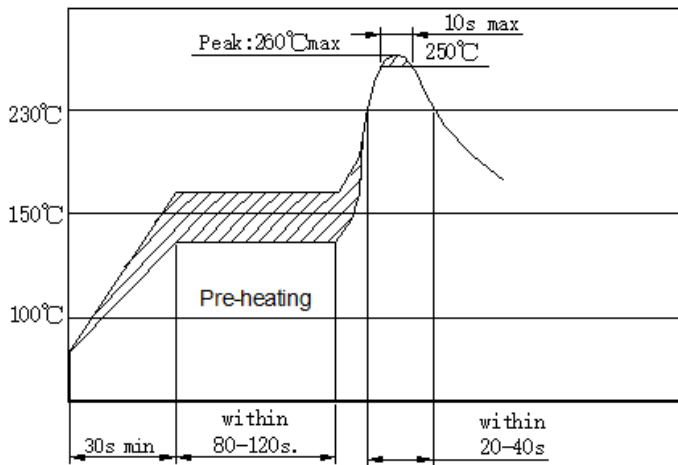


Figure3) Suggested Reflow Profile

Note: ECS does not approve the use of its products in Automotive, Military, Avionics, Life Sustaining or Life Support systems or any other related medical applications without written approval from ECS Inc.

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