

The sub miniature ECS-TXO-2016 is a miniature SMD CMOS TCXO. The 2.0 x 1.6 x 0.8 mm ceramic package is ideal for LoRa WAN, and wireless IoT applications where stability is critical.

# ECS-TXO-2016

## SMD HCMOS TCXO

[Request a Sample](#)

### OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



- Low Profile
- 2.0 x 1.6 mm Footprint
- Extended Temp Range
- RoHS Compliant

### DIMENSIONS (mm)

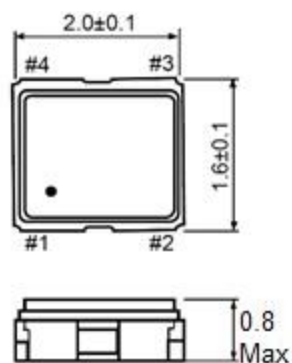
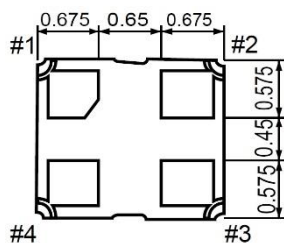


Figure 1) Top, Side, and Bottom views



### CURRENT CONSUMPTION, mA Max.

FREQ.	9.5 ~ 10 MHz	10.1 ~ 20 MHz	20.1 ~ 30 MHz	30.1 ~ 40 MHz	40.1 ~ 60 MHz
+1.8V & +2.5V	3.1	3.7	4.2	4.6	5.5
+2.8V & +3.3V	4.0	4.8	5.5	6.0	7.0

PAD CONNECTIONS	
1	Tri-state
2	Gnd
3	Output
4	Vdd

Tri State Function	
Pin 1	Output
High or NC	Active
Low	Disable Hi-Z

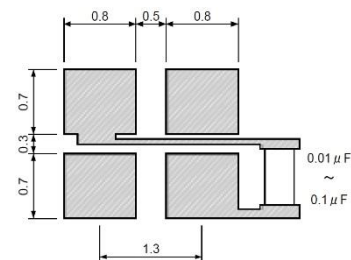


Figure 2) Suggested Land Pattern

### PART NUMBERING GUIDE: Example ECS-TXO-2016-33-160-TR

ECS - SERIES	Voltage	FREQUENCY ABBREVIATION	PACKAGING
TXO-2016 2.0 x 1.60 mm TCXO	18 = +1.8V 25 = +2.5V 28 = +2.8V 33 = +3.3V	160 = 16.000 MHz See Developed Frequencies Pg.2	TR = Tape & Reel 1K/Reel

## FREQUENCY ABBREVIATIONS

FREQUENCY MHz	CODE
10.000	100
12.000	120
16.000	160
20.000	200
25.000	250
32.000	320
40.000	400
50.000	500

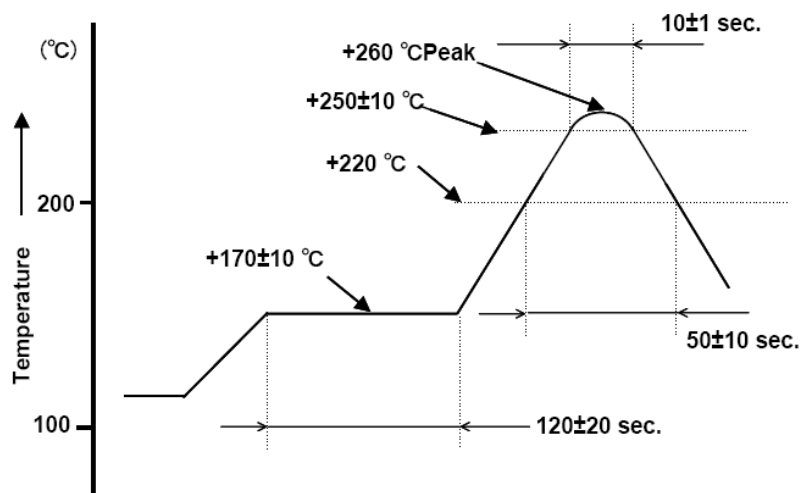


Figure 1) Suggested Reflow Profile

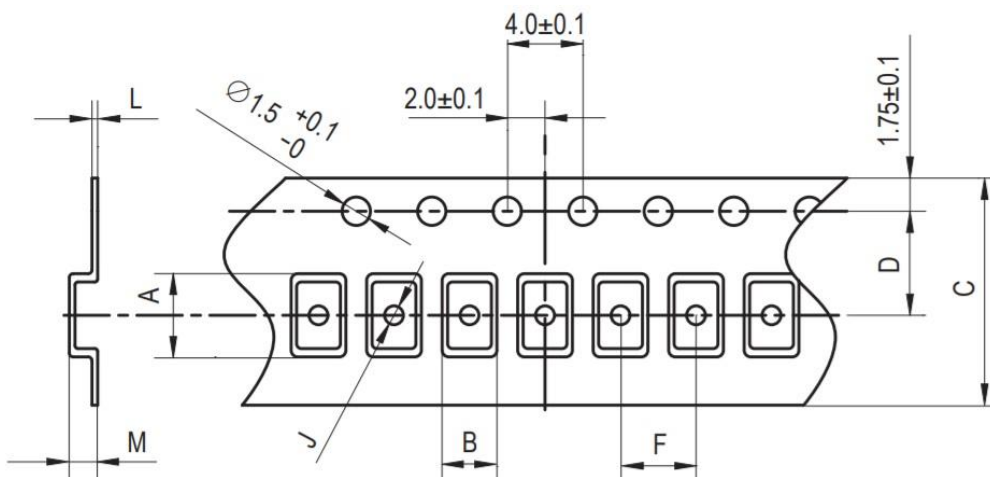
## SOLDER PROFILE

Peak solder Temp +260°C Max 10 sec Max.

2 Cycles Max.

MSL 1, Lead Finish Au

## POCKET TAPE DIMENSIONS (mm)



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
2.2	1.8	8.0	3.5	4.0	1.0	0.25	1.0	180	1000pcs

# Mouser Electronics

Authorized Distributor

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