

# TTL/CMOS SURFACE MOUNT CRYSTAL OSCILLATORS VOLTAGE-CONTROLLED TEMPERATURE-COMPENSATED ASTX-03H and ASVTX-03H

## FEATURES:

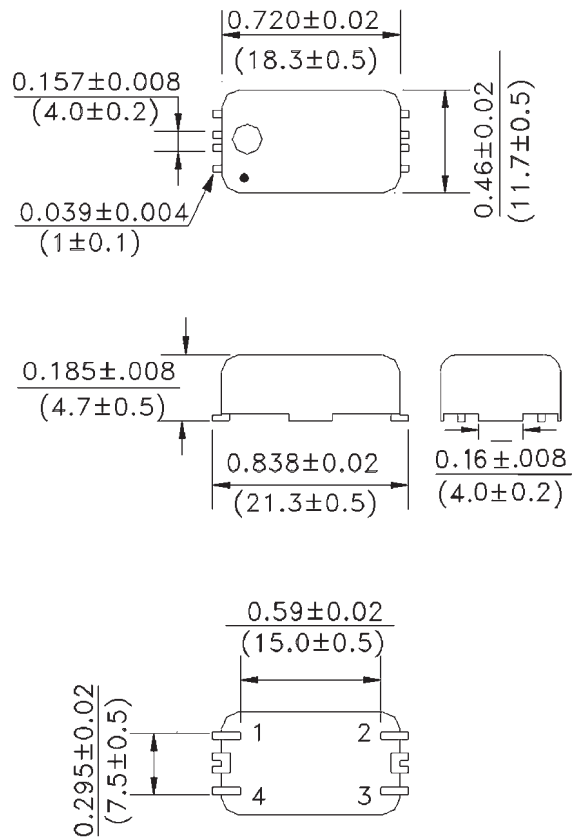
- Compact and low in height.
- Suitable for high-density SMT.
- SMD makes reflow soldering possible.
- Low current consumption.
- Vc function corresponds to PLL circuits.

## APPLICATIONS:

- Cellular and Cordless Phones
- Standard OSC for Exact Equipment.
- Mobile Communication Equipment.
- Portable Radio Equipment.

## STANDARD SPECIFICATIONS

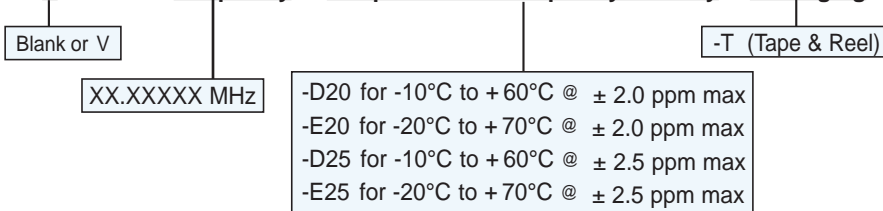
PARAMETERS	ASTX-03H & ASVTX-03H
Frequency Range (F <sub>0</sub> )	2.0 MHz - 25.00 MHz
Operating Temperature (T <sub>OPR</sub> )	-30°C to +75°C (See Options)
Storage Temperature (T <sub>STO</sub> )	-40°C to +85°C
Frequency Stability (DF/F <sub>0</sub> )	
-vs- 25°C	±0.5 ppm max.
-vs- Temperature	±2.5 ppm max. (See Options)
-vs- Aging	±1 ppm per year max.
-vs- Supply Voltage	±0.2 ppm max.
Supply Voltage (V <sub>DD</sub> )	5 Vdc ± 5%
Input Current (I <sub>DD</sub> )	20 mA max.
Output Load	2TTL or 15 pF
Output Voltage (V <sub>oh</sub> )	0.9 x V <sub>DD</sub> min.
(V <sub>ol</sub> )	0.5 VDC max.
Transfer Function	Positive
Voltage Control (V Series) (V <sub>c</sub> )	2.5V ± 2 VDC
Frequency Pulling (V Series)	± 5 ppm min, ± 12 ppm max
Frequency Adjustment (Internal Trimmer)	± 3 ppm min.



Environmental and mechanical specifications, Group 4.  
Tape and Reel, (1,000 pcs./reel)  
Please call us for other frequencies.

## ORDERING OPTIONS

ASXTX-03H - Frequency - Temperature & Frequency Stability - Packaging



PIN NO.	FUNCTION
1	NC or V <sub>c</sub> (*)
2	GND / Case
3	Output
4	V <sub>DD</sub>

(\*) For ASVTX-03H



NOTE: Left blank if standard • All specifications and markings subject to change without notice

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