

TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR



3.2 X 2.5 X 1.0mm

ASTX-11, ASVTX-11

* RoHS COMPLIANT

FEATURES:

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

APPLICATIONS:

- Cellular and cordless phones.
- Standard OSC for exact equipment.
- Mobile communication equipment.
- Portable radio equipment.

STANDARD SPECIFICATIONS:

PARAMETERS	
Frequency Range	13.00 MHz - 38.400 MHz
Standard Frequencies	13.0MHz, 14MHz, 19.2MHz, 19.68MHz, 26.0MHz, 33.6MHz, 38.4MHz
Operating Temperature	- 30° C to + 75° C
Storage Temperature	- 40° C to + 85° C
Frequency Stability vs. Temp.	± 2.5 ppm max.
Frequency Stability vs. Aging	± 1 ppm/year max.
Frequency Stability vs. Supply Voltage	± 0.2 ppm max.
Frequency Stability vs. Load ±10%	± 0.3 ppm max.
Supply Voltage	3.0 Vdc ± 5% operating at 2.7V ~ 5V (see option)
Supply Current	2.0mA max
Output Voltage	0.8 V p-p min. Clipped-sine
Output Load	10 kΩ // 10 pF
Voltage Control	0.5VDC to 2.5VDC
Frequency Pulling	± 8ppm min.
Transfer Function	Positive
Start-up Time	5.0msec Max. <14.400MHz, 3.5msec. > 15.000MHz

MARKING:

- XX.XXX (Frequency)
 AT11 ZY (Z for month from A to L;
 Y for year, i.e. 4 for 2004)

PIN NO.	VC-TCXO	PIN NO.	TCXO
1	Vc	1	GDN
2	GDN	2	GDN
3	Output	3	Output
4	VCC	4	VCC

ORDERING INFORMATION:

ASVTX-11 - Supply Voltage - Frequency - Packaging

Supply Voltage option: - A for 2.4V low voltage drive
Package option: - T Tape and Reel (2,000pcs/reel)

PIN Connection option: - Z for TCXO Function / PIN 1 GND
 *PIN 1 / No connect available. Contact factory for assistance.

OUTLINE DRAWING:

