



## TCXO 2016 (2.0 x 1.6 x 0.7 mm)

### Temperature Compensated Crystal Oscillator

## General Specification

### Features

#### Key Features

- AKM independant product due to own IC development
- Wide temperature range
- Low phase noise
- Ultra-small package size
- Ultra-low power consumption
- **Product customization options available !**

### Applications

- Communication equipment: transmission network, access network, data communication product, BBU / RRU / AAU, base station, etc.
- Private network equipment: rail transportation, trunking communications system, navigation system, etc.
- Industrial control equipment: robot, CNC machine, signal collector, etc.
- Instrumentation: precision instrument, testing equipment, industrial meter (e.g. water meter, electricity meter, gas meter etc.)

## Specifications

| Item                  | Symbol      | Specifications  | Conditions              |
|-----------------------|-------------|---|-------------------------|
| Output frequency      | $f_0$       | 10 to 56 MHz  |                         |
| Supply voltage        | Vcc         | +1.8V / +2.8V / +3.0V / +3.3V                                   |                         |
| Start-up Time         | ms          | 2 ms max.   |                         |
| Output                | Vp-p        | Clipped sine Wave /CMOS   |                         |
| Load                  | $\Omega$    | 10k $\Omega$ // 10 pF // 15 pF                                  |                         |
| Current Consumption   | mA          | Depending on Frequency and output form , please ask for details |                         |
| / Frequency tolerance | @+25°C      | $\pm 1.5 \times 10^{-6}$ max                                    |                         |
| / Temperature         | $f_0_{T_c}$ | $\geq \pm 0.5 - 2.0 \times 10^{-6}$ max.                        | max OTP – 40 to + 105°C |
| / Frequency aging     | f_age       | $\pm 1.0 \times 10^{-6}$ max.                                   | 1 year, at 25 °C        |