

## OCXO (Sinus, CMOS)

## OX-2020



## General Description

Small metal case packaged OCXO

## Features

Wide frequency range  
Tight stability down to  $\pm 5$ ppb

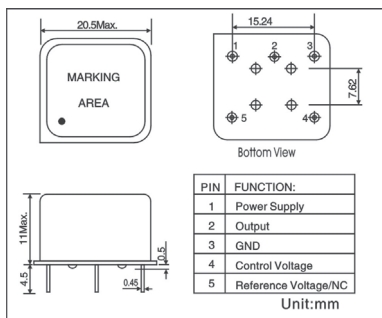
## Main applications

Telecomm., DVB

## Electrical characteristics

Item	Values
Part number	OX-2020
Crystal Cut angle	SC
Output Waveform	Sinus , HCMOS
Output load	sinus : load $50\Omega$ , Level $>2$ dBm CMOS : $15$ pF max
Frequency range	2 - 100 MHz
Supply voltage	+3.3V , +5.0V , +12V
Initial frequency tolerance @ +25°C	$<\pm 0.2$ ppm
Frequency stability vs temp. vs Vdd vs Load	$\pm 5$ - 30ppb typical $\pm 2$ ppb (Vdd $\pm 5\%$ ) $\pm 20$ ppb (Load $\pm 10\%$ )
Aging	$<\pm 0.1$ ppm first year / 0.5ppm in 10years
Operating temp. range	up to $-40^\circ\text{C}$ / $+75^\circ\text{C}$
Storage temp. range	$-40^\circ\text{C}$ / $+100^\circ\text{C}$
Warm-up time	$<\pm 0.1$ ppm $<3$ min
Frequency adjustment	$\pm 0.7$ ppm
Control voltage	0-3.3V , 0-5.0V
Slope	positive
Linearity	10%
Phase noise	10Hz , -120dBc/Hz 100Hz , -140dBc/Hz 1KHz , -145dBc/Hz 10KHz , -150dBc/Hz

## Dimensions



**Part number generator :**  
please contact 2B Elettronica