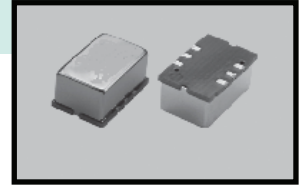


## OCXO (CMOS)

# OXC-1494S



**General Description**  
Small metal case packaged OCXO

**Features**  
Wide frequency range  
Tight stability down to  $\pm 10$ ppb

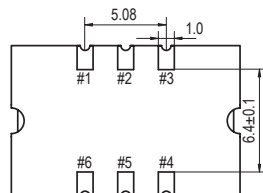
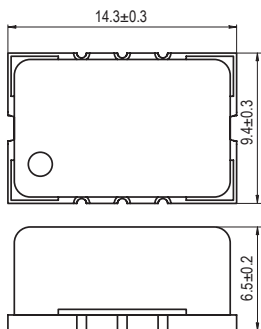
**Main applications**  
Telecomm., base stations

### Electrical characteristics

Item	Values
Part number	OXC-1494S
Output Waveform	CMOS
Output load	15pF max
Standard frequency	5 - 40 MHz
Supply voltage	+3.3V
Initial frequency tolerance @ +25°C	$< \pm 0.5$ ppm
Frequency stability vs temp. vs Vdd vs Load	up to $\pm 10$ ppb in -20/+70°C, up to $\pm 20$ ppb in -40 / +85°C $\pm 10$ ppb (Vdd $\pm 5\%$ ) $\pm 10$ ppb (Load $\pm 10\%$ )
Aging	$< \pm 500$ ppb year
Operating temp. range	-20°C/+70°C, -40°C/+85°
Storage temp. range	-40°C / +100°C
Warm-up time	$< \pm 20$ ppb <5min
Frequency adjustment	$\pm 5$ ppm min
Control voltage	0-5.0V
Slope	positive
Linearity	10%
Phase noise	10Hz, -94dBc/Hz 100Hz, -124dBc/Hz 1KHz, -145dBc/Hz 10KHz, -155dBc/Hz

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

### Dimensions



Pin	Connection	Pin	Connection
1	Vcon	4	Output
2	NC*	5	NC*
3	GND	6	VDD

(\*) #2 & #5 : Pulled up internally and connected to #6 / +V DC.  
Connect #2, #5 & #6 to outer NC's.

