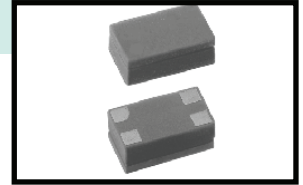


## Clock Oscillator (CMOS)

# OV7605-C8 / OM0100-C8



### General Description

The OV7605/OM0100 is a Low Frequency SMT Oscillator that incorporates an integrated CMOS circuit together with an XTAL. It operates under vacuum in a hermetically sealed ceramic package with ceramic lid.

### Features

Wide supply voltage range.  
 Very low power consumption.  
 Synchronized enable/disable.  
 Small size, low profile, lightweight (12.4 mg).  
 High shock and vibration resistant.

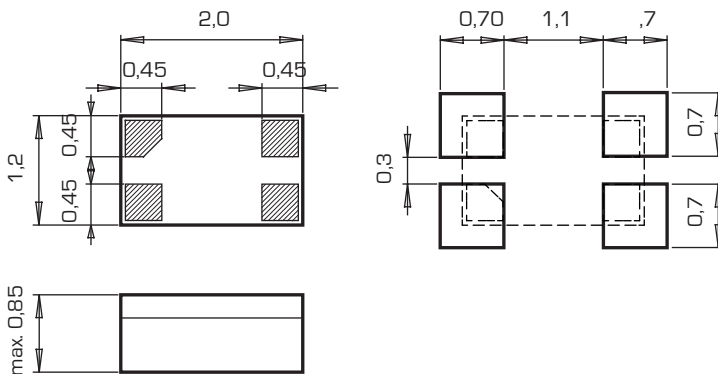
### Main applications

Metering, Industrial, Automotive, Health Care, Medical Implantable

## Electrical characteristics

Item	Values	
Part number	OV7605-C8	OM0100-C8
Output Waveform	SQUARED	
Supply voltage	+1.6 / 5.5V	
Frequency range	32.768KHz	100KHz
Current consumption	0.45-0.65µA	0.55 0.75µA
Operating temperature range	-40 / +85°C	
Storage temperature range	-55°C / +125°C	
Frequency stability	-0.035ppm/°C <sup>2</sup>	
Turnover temperature	+25°C ±5°C	
Output load	15pF	
Duty cycle	40% ... 60%	
VOH / VOL	90% Vcc / 10% Vcc	
Tr / Tf	10ns max or user spec	
Option Enable-Disable/Tri-state	available (Enable @ >70% Vcc , Disable at <30% Vcc)	
Start up time	0.5s max	
Aging	<±3ppm / year	

## Dimensions



# Clock Oscillator (CMOS)

## OV7605-C8 / OM0100-C8

Part Number Generator

**OV7604-C8**      -      **0.032768**  
0                                      1

<b>0</b> : Type
OV7604-C7 OM100-C7

<b>1</b> : Frequency (MHz)
□□□.□□□□□□ max 10 digits including comma

