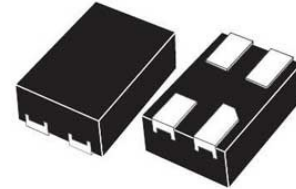


MEMS OSC XO 32.7680KHZ CMOS SMD

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	VDFN-4
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DSC6083CE2A-032K768 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The DSC60XXB family of MEMS oscillators combine the industry leading low power consumption and ultra-small packages with exceptional frequency stability and jitter performance over temperature. The single-output DSC6000B MEMS oscillators are excellent choices for use as clock references in small, battery-powered devices such as wearable and Internet of Things (IoT) devices in which small size, low power consumption, and long-term reliability are paramount.

The Ultra-low power DSC60XXB family is available in ultra-small 1.6 mm x 1.2 mm and 2.0 mm x 1.6 mm packages. Other package size include: 2.5 mm x 2.0 mm. These packages are “drop-in” replacements for standard 4-pin CMOS quartz crystal oscillators.

Create an application specific part and order samples with the [CLOCKWORKS CONFIGURATOR](#) tool.

DSC60XXB provides improved jitter performance and wider temperature range over DSC6000 family and is the recommended ultra-low power MEMS oscillator for all new designs.

## Features

Wide Frequency Range: 2 KHz to 80 MHz

Ultra-Low Power Consumption: 1.3 mA/1.5µA (Active/Standby)

Ultra-Small Footprints :

1.6 mm x 1.2 mm

2.0 mm x 1.6 mm

2.5 mm x 2.0 mm

Frequency Select Input Supports 2 Predefined Frequencies

High Stability: ±20, ±25, ±50 ppm

Wide Temperature Range:

Automotive: -40°C to 125°C

Ext. Industrial: -40°C to 105°C

Industrial: -40°C to 85°C

Ext. Commercial: -20° to 70°C

Excellent Shock & Vibration Immunity: Qualified to MIL-STD-883

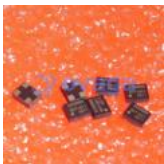
High Reliability: 20x Better MTTF Than Quartz Oscillators

Supply Range of 1.71V to 3.63V

Short Sample Lead Time: <2 weeks

Lead Free & RoHS Compliant

## Related Products



[DSC1001DL5-025.0000](#)

Microchip Technology, Inc  
VDFN-4



[DSC1123CI2-200.0000](#)

Microchip Technology, Inc  
VDFN-6



[DSC1001CL2-025.0000T](#)

Microchip Technology, Inc  
VDFN-4



[DSC1001DI1-025.0000](#)

Microchip Technology, Inc  
VDFN-4



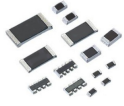
[DSC1001DI1-033.3333T](#)

Microchip Technology, Inc  
VDFN-4



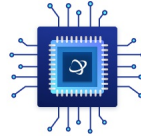
[DSC8001DL5](#)

Microchip Technology, Inc  
VDFN-4



[DSC1101CI5-100.0000T](#)

Microchip Technology, Inc  
4-SMD, No Lead



[DSC1001AE1-003.6864T](#)

Microchip Technology, Inc  
2.0 x 1.6 x 0.85 mm