

OSC MEMS BLANK 2.5X2.0 CMOS

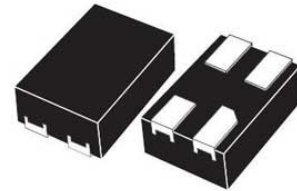
Manufacturers [Microchip Technology, Inc](#)

Package/Case VDFN-4

Product Type Other Passive Components

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for DSC8001DL5 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The DSC8001 is a programmable MEMS based CMOS oscillator offering excellent stability performance over a wide range of supply voltages and temperatures. The device operates from 1 to 150 MHz in increments of 100 Hz (up to four decimal point resolution) with supply voltages between 1.8 to 3.3 Volts and extended temperatures from -40°C to 105°C.

## Features

Frequency Range: 1 to 150MHz

Exceptional Stability over Temperature

Operating voltage

1.7 to 3.6V

Operating Temperature Range

Ext. Industrial -40°C to 105°C

Industrial -40°C to 85°C

Ext. Commercial -20°C to 70°C

Commercial 0°C to 70°C

Low Operating and Standby Current

5mA Operating (40MHz)

15uA Standby

Ultra Miniature Footprint

2.5 x 2.0 x 0.85 mm

3.2 x 2.5 x 0.85 mm

5.0 x 3.2 x 0.85 mm

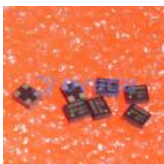
7.0 x 5.0 x 0.85 mm

MIL-STD 883 Shock and Vibration Resistant

Pb Free, RoHS, Reach SVHC Compliant

AEC-Q100 Reliability Qualified

## 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



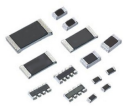
[DSC1001DI1-033.3333T](#)

Microchip Technology, Inc  
VDFN-4



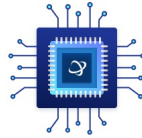
[DSC6083CE2A-032K768](#)

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