

460MHz MEMS Oscillator, 6-Pin VDFN, DSC1123CI2-200.0000

Manufacturers [Microchip Technology, Inc](#)

Package/Case VDFN-6

Product Type Other Passive Components

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for DSC1123CI2-200.0000 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The DSC1103 & DSC1123 series of high performance oscillators utilizes a proven silicon MEMS technology to provide excellent jitter and stability over a wide range of supply voltages and temperatures. By eliminating the need for quartz or SAW technology, MEMS oscillators significantly enhance reliability and accelerate product development, while meeting stringent clock performance criteria for a variety of communications, storage, and networking applications. DSC1103 has a standby feature allowing it to completely power-down when EN pin is pulled low; whereas for DSC1123, only the outputs are disabled when EN is low. Both oscillators are available in industry standard packages, including the small 2.5mm x 2.0mm, and are “drop-in” replacements for standard 6-pin LVDS quartz crystal oscillators.

Features

Low RMS Phase Jitter: <1 ps (typ.)

High Stability: ± 10 , ± 25 , ± 50 ppm

Wide Temperature Range

Industrial: -40°C to 85°C

Ext. commercial: -20°C to 70°C

High Supply Noise Rejection: -50dBc

Short Lead Time: 2 Weeks

Wide Freq. Range: 2.3 to 460MHz

Small Industry Standard Footprints

2.5mm x 2.0mm, 3.2mm x 2.5mm, 5.0mm x 3.2mm, & 7.0mm x 5.0mm

Excellent Shock & Vibration Immunity

Qualified to MIL-STD-883

High Reliability

20x better MTF than quartz oscillators

Low Current Consumption

Supply Range of 2.25V to 3.6V

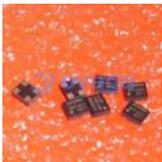
Standby & Output Enable Function

Lead Free & RoHS Compliant

LVPECL & HCSL Versions Available



Related Products



[DSC1001DL5-025.0000](#)

Microchip Technology, Inc
VDFN-4



[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



[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