

DSC612NL3A-012R

Two-Output Low Power MEMS Clock Generator

General Description

The DSC612NL3A-012R is a two-output low power MEMS clock generator.

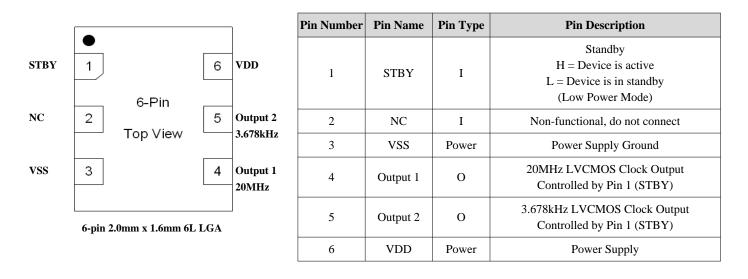
The MEMS based clock generator eliminates the need of external crystal or reference clock.

Refer to DSC612 master data sheet to read full descriptions.

Features

- Two LVCMOS clock outputs: 20MHz, 3.678kHz
- Ultra-small package size: 2.0mm x 1.6mm 6L LGA
- High stability: ±20ppm
- Temperature range: -40° C to $+105^{\circ}$ C
- Low power consumption: ~5mA (both outputs active)
- Wide supply voltage range: 1.71V -3.63V VDD
- Excellent shock and vibration immunity
- High reliability
- Lead free and RoHS compliant
- AEC-Q100 automotive grade available

Pin Configuration and Description



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Revision 1.0 tcghelp@microchip.com

Ordering Information

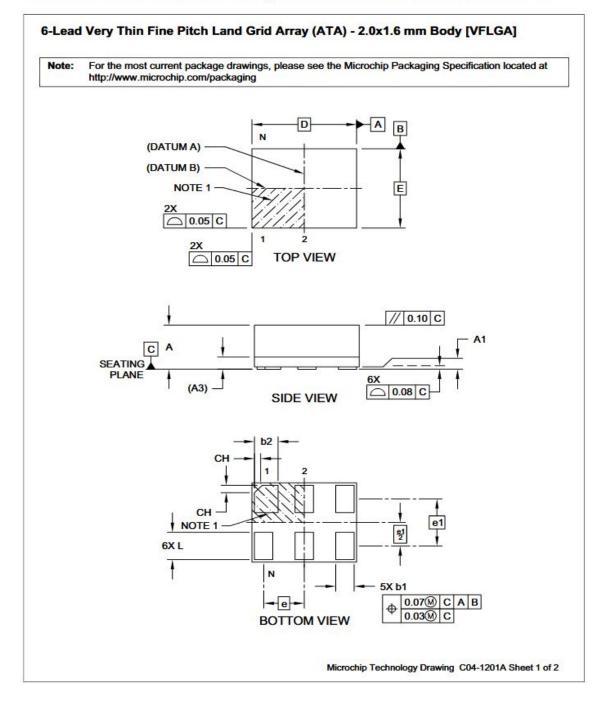
Ordering Part Number	Temperature Range	High Stability	Shipping	Package
DSC612NL3A-012R	-40°C to +105°C	±20ppm	Bag	2.0mm x 1.6mm 6L LGA
DSC612NL3A-012RT	-40°C to +105°C	±20ppm	Tape and Reel	2.0mm x 1.6mm 6L LGA

Devices are Green and RoHS compliant. Sample material may have only a partial top mark.

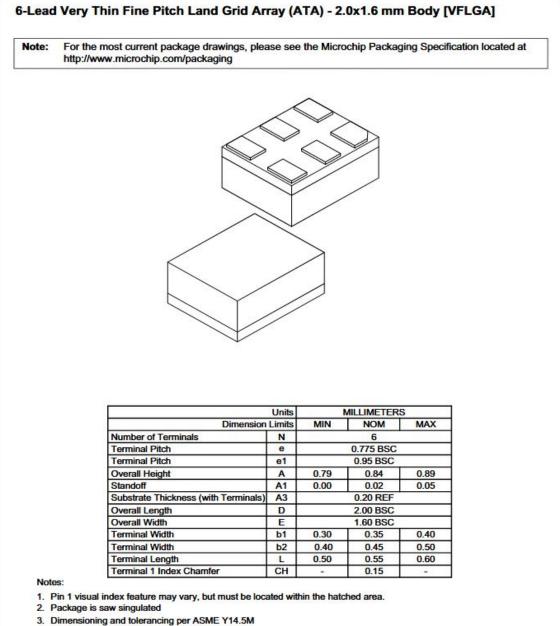
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6-Lead 2.0 mm x 1.6 mm VFLGA Package Outline and Recommended Land Pattern



BSC: Basic Dimension. Theoretically exact value shown without tolerances.

REF: Reference Dimension, usually without tolerance, for information purposes only.

Microchip Technology Drawing C04-1201A Sheet 2 of 2

