

DSC612PI2A-0130

Two-Output Low Power MEMS Clock Generator

General Description

The DSC612PI2A-0130 is a two-output low power MEMS clock generator.

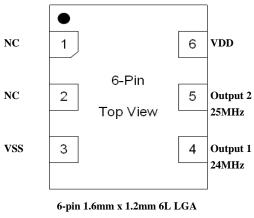
The MEMS based clock generator eliminates the need of external crystal or reference clock.

Refer to DSC612 master data sheet to read full descriptions.

Features

- Two LVCMOS clock outputs: 24MHz, 25MHz
- Ultra-small package size: 1.6mm x 1.2mm 6L LGA
- High stability: ±25ppm
- Temperature range: -40°C to +85°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



Pin Number	Pin Name	Pin Type	Pin Description	
1	NC	Ι	Non-functional, do not connect	
2	NC	Ι	Non-functional, do not connect	
3	VSS	Power	Power Supply Ground	
4	Output 1	0	24MHz LVCMOS Clock Output	
5	Output 2	0	25MHz LVCMOS Clock Output	
6	VDD	Power	Power Supply	

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Revision 1.0 tcghelp@microchip.com

Ordering Information

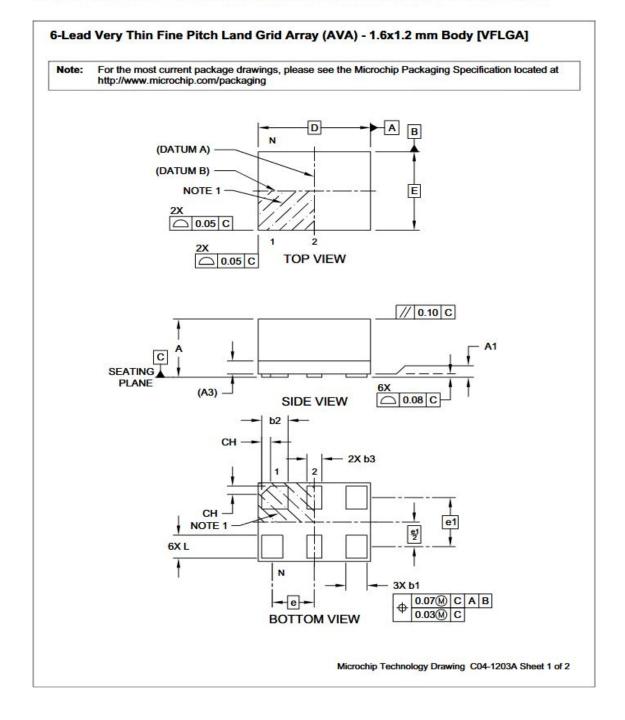
Ordering Part Number	Temperature Range	High Stability	Shipping	Package
DSC612PI2A-0130	-40° C to $+85^{\circ}$ C	±25ppm	Bag	1.6mm x 1.2mm 6L LGA
DSC612PI2A-0130T	-40°C to +85°C	±25ppm	Tape and Reel	1.6mm x 1.2mm 6L LGA

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

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6-Lead 1.6 mm x 1.2 mm VFLGA Package Outline and Recommended Land Pattern

