

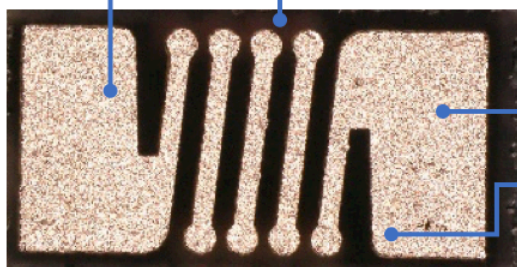
Sampling

1 ULTRA-SMALL FOOTPRINT

0201 and 0402 footprints

2 THICKNESS

200 – 300 micron thick



> SEAMLESS INTEGRATION

Minimize unwanted RF parasitics by the seamless integration of High Q inductors ($Q > 75$) to maximize Q.

3 PRECISION MANUFACTURING

Micron-scale manufacturing precision leads to ultra-tight Quality Factor and Inductance distribution

4 STANDARD OR CUSTOM FOOTPRINTS

01005 or larger standard and custom designs

High Q & Low Loss SMD Inductors

Standard or custom inductors demonstrate superior Q factors in ultra-small footprints. 0402 and 0201 standard inductors are available for sampling; 01005 are in development.

Seamless SMD Integration

3DGS SMD Inductors are specifically built to IPC surface mount standards for easy integration into existing inductor footprints. Standard solder techniques are used for assembly.

Highly scalable

Lithographic reproduction processes facilitate mass production of devices with superior batch-to-batch consistency.

High SRF means High

Frequency Use

3DGS has specifically designed our inductor library for >3 GHz applications. Our products have been shown to improve performance in next generation LTE and 5G products.

Standard Inductor Specifications

Parameters	Typical
Size Code	0402, 0201
Inductance	0.5 – 10.0nH 0.2nH increments
Rated current (based on temp rise)	500 mA
SRF (min)	21 GHz (1.3 nH)
Operating Temp Range	-55 to 125° C
Compliance	ROHS compliant, Lead-free

Embedded inductance devices have been qualified through a variety of JEDEC and IPC testing standards, including vibration, shock, thermocycling, and moisture.

High SRF means High Frequency Use Ideal for 5G and Advanced LTE

