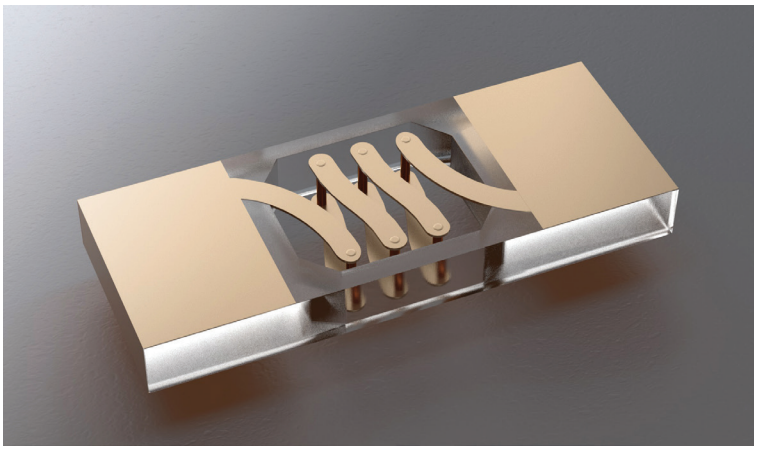
3D GS RF

3D GLASS SOLUTIONS

HIGH-Q & LOW-LOSS
RF/MICROWAVE INDUCTORS

Seamless Integration
Minimize unwanted RF parasitics by the seamless integration of high-Q inductors (Q > 75) to maximize Q.



Ultra-Small Footprint
0201 and 0402 designs

Thickness
200 to 300 microns thick

Precision Manufacturing
Micro-scale manufacturing precision leads to ultra-tight quality factor and inductance distribution

Standard or Custom Footprints
01005 or larger standard and custom designs

Standard Inductor Specifications

PARAMETERS	TYPICAL
Size Code	0201, 0402
Inductance	0.5 nH to 10.0 nH 0.2 nH increments
Rated Current (based on temp rise)	500 mA
SRF (min)	21 GHz (1.3 nH)
Operating Temp Range	-55°C 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-Q & Low-Loss SMD Inductors
Standard or custom inductors demonstrate superior Q-factors in ultra-small footprints. Available in standard 0201 and 0402 inductors.

Seamless SMD Integration
3DGS SMD Inductors are specifically built to IPC surface mount standards for easy integration into existing design. Standard assembly and soldering processes can be used.

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.

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3D GS Enabling the GHz Generation

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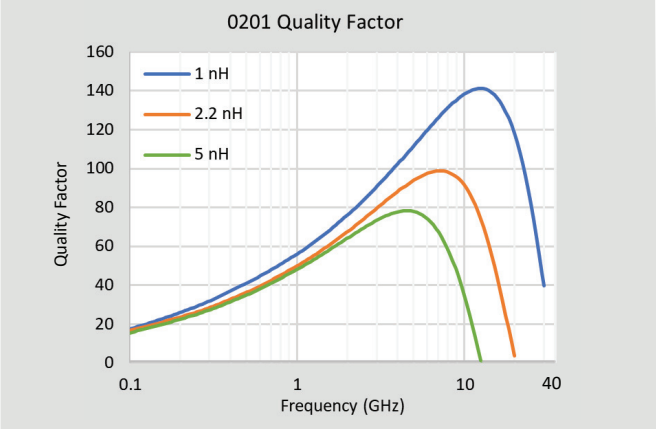
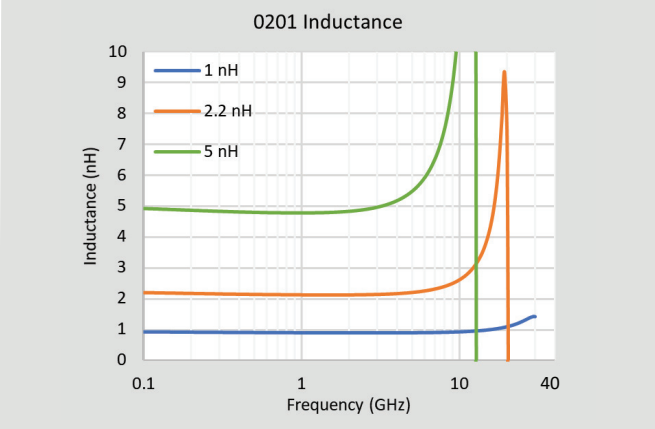
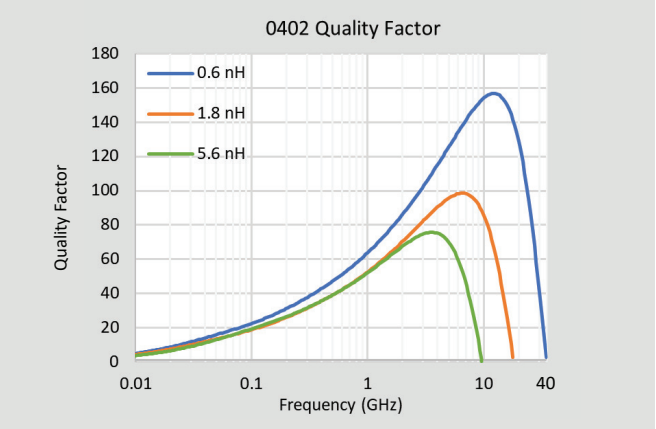
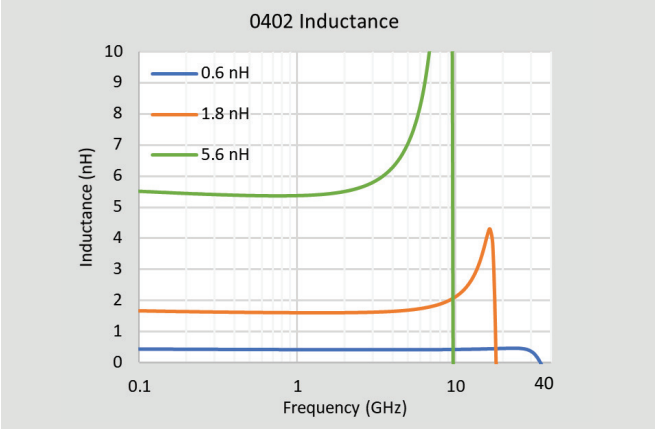
HIGH SRF MEANS HIGH-FREQUENCY USE

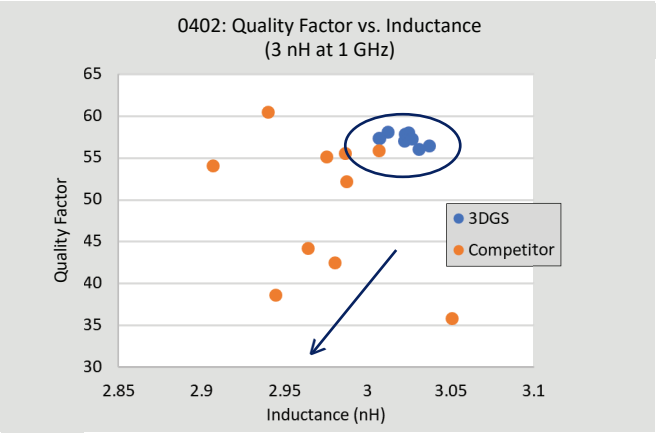
IDEAL FOR 5G AND ADVANCED LTE

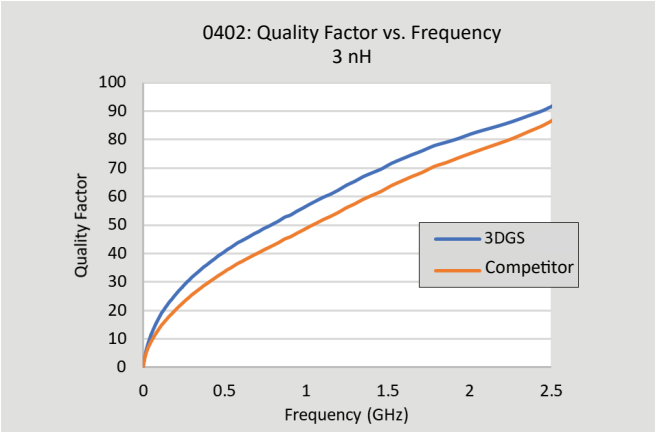












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