

GOWANDA ELECTRONICS LAUNCHES NEW NON-MAGNETIC RF INDUCTOR SERIES - 28MG

Series Ideal for Medical Imaging and other Magnetic-Sensitive Applications

(Gowanda, NY, USA) - [Gowanda Electronics](#), a designer and manufacturer of high-performance inductors and magnetic components for demanding RF and power applications, announces the introduction of a new non-magnetic RF thru-hole (leaded) inductor series – 28MG. This series is ideal for use in medical imaging equipment and other applications where magnetic materials must be avoided.

These inductors will be featured at Gowanda’s booth #1054 during [BIOMEDevice](#) in Boston on September 21-22, 2021 and at booth #2235 during [MD&M Midwest](#) in Minneapolis on November 3-4, 2021. If you’re attending these shows please stop by Gowanda’s booth to learn more.

Gowanda’s 28MG series was designed to address the market need for non-magnetic inductors that could achieve inductance values of up to 18 μ H for use in Magnetic Resonance Imaging (MRI) equipment, specific types of X-ray equipment and other applications where the presence of magnetic materials could compromise system performance. This includes applications in telecommunications, security systems, instrumentation, laboratory analysis equipment, aviation equipment, navigation equipment and electronic test equipment.

The performance range provided by the 60 discrete parts within the 28MG series includes Inductance from 1.2 μ H to 18 μ H, DCR Ohms from 0.079 to 4.15 and Current Rating mA DC from 315 to 2400. All of Gowanda’s non-magnetic surface mount and thru-hole inductors, including this new 28MG series, provide relative permeability of ≤ 1.00003 .

The operating temperature range for the 28MG series is -55°C to +125°C. The 28MG inductors are epoxy encapsulated for environmental protection and superior strength to withstand all types of reflow soldering. Standard terminations are SnPb; RoHS-compliant terminations are provided when “LF” is specified. More technical information is available on 28MG at the company’s website including the [28MG Datasheet](#), [28MG Dimensional Specification](#) and other helpful information.

The table below provides an overview of the company’s MG (thru-hole, leaded) and SMG (surface mount) series; you can easily navigate to all the series via [Gowanda’s Non-Magnetic Inductors](#) website page.



GOWANDA'S NON-MAGNETIC INDUCTOR SERIES OVERVIEW

GOWANDA SERIES	L μ H	DCR Ω	CURRENT RATING mA DC
THRU-HOLE			
NEW 28MG	1.2 - 18	0.079 - 4.15	315 - 2400
15MG	0.10 - 4.7	0.025 - 2.6	260 - 2698
10MG	0.10 - 1.0	0.080 - 1.0	385 - 1350
SURFACE MOUNT			
SMG8527	0.10 - 8.2	0.050 - 1.76	490 - 2930
SMG5025	0.10 - 4.7	0.025 - 3.0	375 - 3835
SMG3013	0.10 - 1.0	0.080 - 1.0	450 - 1590
SMG1812	0.010 - 0.082	0.10 - 0.25	700 - 1230

Of note, Gowanda was the first inductor manufacturer to achieve the ISO 13485 quality standard, reinforcing its decades-long leadership position in providing inductive solutions to the medical electronics community. Gowanda was also the first global component manufacturer to introduce a truly non-magnetic inductor in the marketplace, leveraging proprietary technology and in-house expertise to provide medical sector customers with high performance solutions. Gowanda was also the first to introduce the world’s smallest non-magnetic surface mount inductor (SMG1812) which measures just 4.8 mm in length. Over the years, the expansion of the company’s magnetic and non-magnetic capabilities and inductor offerings in both standard and custom designs – now including the 28MG series – is a testament to Gowanda’s commitment to the global medical device industry.

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For more information regarding part pricing and delivery or for assistance with customer-specific designs please contact Gowanda Electronics at +1-716-532-2234 or email sales@gowanda.com.

Helpful Links:

- [Gowanda 28MG Series Information](#)
- [Gowanda 28MG Series Datasheet](#)
- [Gowanda 28MG Dimensional Spec](#)
- [Gowanda Non-Magnetic Inductors](#)
- [BIOMEDevice](#)
- [MD&M Midwest](#)

Note: if links for datasheet or dimensional spec do not work correctly (due to updating of pdf files) please use the Series Information link to navigate to current pdfs.

Gowanda Electronics designs, manufactures and supplies precision electronic components for RF, microwave and power applications. Components include standard off-the-shelf and custom-designed inductors, chokes, coils, conicals, solenoids, toroids, transformers and magnetic devices in surface mount and thru-hole configurations that are used in a wide variety of electronic applications. Gowanda's products are used primarily by OEM companies and other entities interested in high performance electronic component solutions for the equipment and devices they manufacture. Applications include use in industrial automation & control equipment, communication, instrumentation, medical & diagnostic equipment/devices and test & measurement equipment. Such products are used in a broad range of industries including aviation/aerospace, data processing, defense, education, health care, process & assembly industries, security, space and telecommunications. Gowanda's customers include Fortune 500 companies and other significant players in these global markets. The company is certified to AS9100, ISO 9001 and ISO 13485 quality management standards, offers RoHS compliant products as well as lead-containing components for QPL military/defense and other demanding requirements, and provides non-magnetic inductors for magnetic-sensitive applications. Gowanda merged with iNRCORE in late 2020. For more information visit www.Gowanda.com and www.iNRCORE.com.

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