

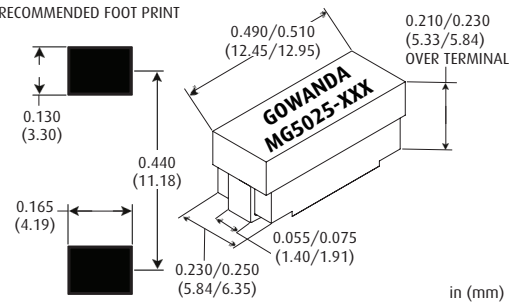
**SMG5025 SERIES**



Molded Non-Magnetic Surface Mount Inductor



RECOMMENDED FOOT PRINT

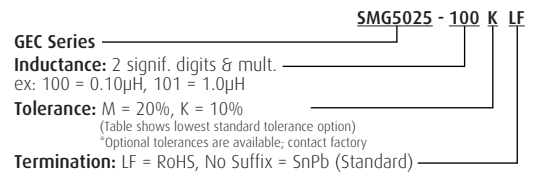


PART NUMBER	L $\mu$ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR $\Omega$ MAX	CURRENT RATING mA DC
<b>NON-MAGNETIC COIL FORM</b>						
SMG5025-100K	0.10	50	25	550	0.025	3835
SMG5025-120K	0.12	50	25	530	0.028	3624
SMG5025-150K	0.15	50	25	525	0.030	3500
SMG5025-180K	0.18	50	25	500	0.040	3032
SMG5025-220K	0.22	50	25	450	0.055	2580
SMG5025-270K	0.27	45	25	400	0.070	2285
SMG5025-330K	0.33	45	25	360	0.090	2015
SMG5025-390K	0.39	45	25	330	0.100	1915
SMG5025-470K	0.47	45	25	310	0.120	1750
SMG5025-560K	0.56	50	25	280	0.135	1645
SMG5025-680K	0.68	50	25	250	0.150	1555
SMG5025-820K	0.82	50	25	220	0.220	1300
SMG5025-101K	1.00	50	25	200	0.290	1125
SMG5025-121K	1.20	33	7.9	180	0.420	930
SMG5025-151K	1.50	33	7.9	160	0.500	855
SMG5025-181K	1.80	33	7.9	150	0.650	755
SMG5025-221K	2.20	33	7.9	135	0.950	620
SMG5025-271K	2.70	33	7.9	120	1.20	550
SMG5025-331K	3.30	33	7.9	110	2.00	430
SMG5025-391K	3.90	33	7.9	100	2.30	395
SMG5025-471K	4.70	33	7.9	90	3.00	375

**NOTES**

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Relative Permeability:**  $\leq 1.00003$
- **Weight:** 0.95 grams
- **Marking:** GOWANDA; MG5025 XXX (dash number) (see diagram above)
- Medical Grade
- Used in imaging equipment where non-magnetic inductors are required
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Custom designs are available to meet your specific requirements; please contact factory

**PART NUMBER DERIVATION**



**TAPE AND REEL SPECS:**

Pieces/reel maximum:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter:	13 in.