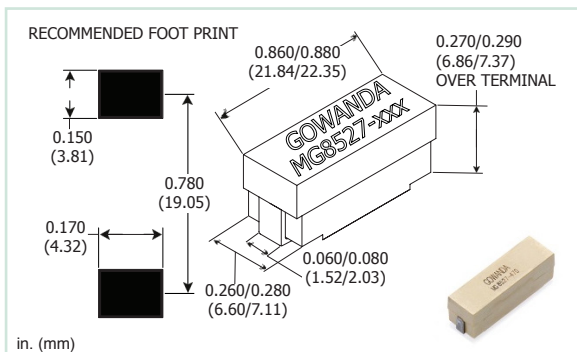


SMG8527
SMG8527LF

Molded Non-Magnetic Inductor



PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
NON-MAGNETIC COIL FORM						
SMG8527-100K	0.10	25	25	540	0.050	2930
SMG8527-120K	0.12	25	25	438	0.050	2930
SMG8527-150K	0.15	25	25	396	0.058	2720
SMG8527-180K	0.18	25	25	327	0.058	2720
SMG8527-220K	0.22	25	25	350	0.058	2720
SMG8527-270K	0.27	25	25	284	0.067	2530
SMG8527-330K	0.33	25	25	271	0.076	2380
SMG8527-390K	0.39	25	25	224	0.083	2280
SMG8527-470K	0.47	25	25	194	0.089	2200
SMG8527-560K	0.56	25	25	194	0.092	2160
SMG8527-680K	0.68	25	25	174	0.109	1990
SMG8527-820K	0.82	25	25	160	0.121	1880
SMG8527-101K	1.0	25	25	144	0.143	1730
SMG8527-121K	1.2	28	7.9	144	0.150	1690
SMG8527-151K	1.5	28	7.9	126	0.180	1550
SMG8527-181K	1.8	33	7.9	133	0.210	1430
SMG8527-221K	2.2	33	7.9	122	0.230	1370
SMG8527-271K	2.7	33	7.9	110	0.330	1140
SMG8527-331K	3.3	33	7.9	95	0.440	990
SMG8527-391K	3.9	35	7.9	95	0.480	950
SMG8527-471K	4.7	35	7.9	87	0.648	810
SMG8527-561K	5.6	35	7.9	72	0.911	690
SMG8527-681K	6.8	35	7.9	69	1.26	580
SMG8527-821K	8.2	35	7.9	62	1.76	490

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:** ≤ 1.00003
- **Weight Max:** 3.1 grams
- **Marking:** GOWANDA; MG; SERIES; -XXX (dash #)
GOWANDA
MG8527-100
- 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
- When ordering, specify **tolerance & termination:**
SMG8527-100KLF
Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	480
Pitch between parts:	16 mm
Tape width:	44 mm
Reel diameter:	13 in.