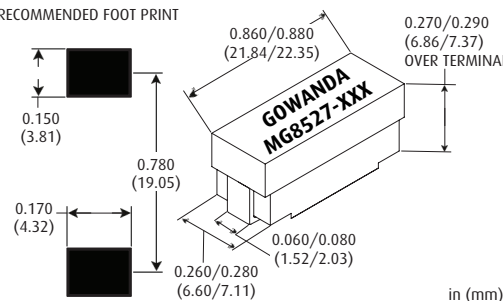


SMG8527 SERIES

Molded Non-Magnetic Surface Mount Inductor



RECOMMENDED FOOT PRINT



PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	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	1.00	25	25	144	0.143	1730
SMG8527-121K	1.20	28	7.9	144	0.150	1690
SMG8527-151K	1.50	28	7.9	126	0.180	1550
SMG8527-181K	1.80	33	7.9	133	0.210	1430
SMG8527-221K	2.20	33	7.9	122	0.230	1370
SMG8527-271K	2.70	33	7.9	110	0.330	1140
SMG8527-331K	3.30	33	7.9	95	0.440	990
SMG8527-391K	3.90	35	7.9	95	0.480	950
SMG8527-471K	4.70	35	7.9	87	0.648	810
SMG8527-561K	5.60	35	7.9	72	0.911	690
SMG8527-681K	6.80	35	7.9	69	1.26	580
SMG8527-821K	8.20	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:** 3.1 grams
- **Marking:** GOWANDA; MG8527 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

GEC Series ————— **SMG8527 - 100 K LF**
Inductance: 2 signif. digits & mult. —————
 ex: 100 = 0.10μH, 101 = 1.0μH
Tolerance: M = 20%, K = 10%
 (Table shows lowest standard tolerance option)
 *Optional tolerances are available; contact factory
Termination: LF = RoHS, No Suffix = SnPb (Standard) —————

TAPE AND REEL SPECS:

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