

SM3G

SM3GLF*

Wirewound, Temperature Stable, Molded, Tight Tolerance


PART NUMBER	L μ H	L TEST FREQ MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC
POWDERED IRON CORE					
SM3-100G	0.10	10	708	0.07	1721
SM3-120G	0.12	10	686	0.08	1609
SM3-150G	0.15	10	626	0.08	1609
SM3-180G	0.18	10	552	0.09	1517
SM3-220G	0.22	10	452	0.12	1314
SM3-270G	0.27	10	400	0.12	1314
SM3-330G	0.33	10	400	0.14	1217
SM3-390G	0.39	10	320	0.17	1104
SM3-470G	0.47	10	250	0.20	1018
SM3-560G	0.56	10	170	0.27	876
SM3-680G	0.68	10	150	0.30	831
SM3-820G	0.82	10	120	0.33	792
SM3-101G	1.0	10	100	0.35	769
SM3-121G	1.2	4	90	0.40	720
SM3-151G	1.5	4	80	0.45	679
SM3-181G	1.8	4	70	0.70	544
SM3-221G	2.2	4	60	0.80	509
SM3-271G	2.7	4	55	0.95	467
SM3-331G	3.3	4	50	1.0	455
SM3-391G	3.9	4	47	1.5	372
SM3-471G	4.7	4	45	1.9	330
SM3-561G	5.6	4	40	2.1	314
SM3-681G	6.8	4	35	2.2	307
SM3-821G	8.2	4	25	2.6	282
SM3-102G	10	4	25	2.8	272
SM3-122G	12	1	18	3.7	237
SM3-152G	15	1	17	5.3	198
SM3-182G	18	1	16	6.2	183
SM3-222G	22	1	15	6.7	176
SM3-272G	27	1	14	7.5	166
SM3-332G	33	1	13	8.5	156
SM3-392G	39	1	12	9.5	148
SM3-472G	47	1	10	11.4	135

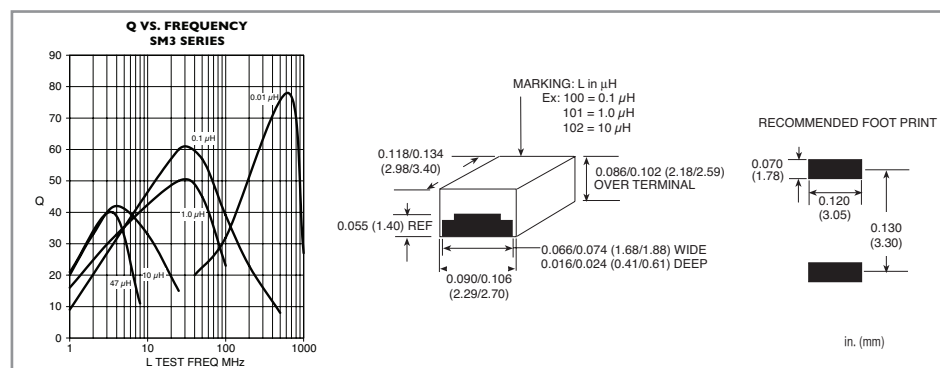
All part provide 2% tolerance on inductance - Suffix "F" for 1% tolerance is also available
 Additional tolerances available; please refer to SM3 Series datasheet
 Custom designs are available to meet your specific requirements; please contact factory

continued next page

***Add "LF" suffix for RoHS requirement. Example: SM3-100GLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.



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
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2000
Pitch between parts:	8 mm
Tape width:	8 mm
Reel diameter:	7 in.

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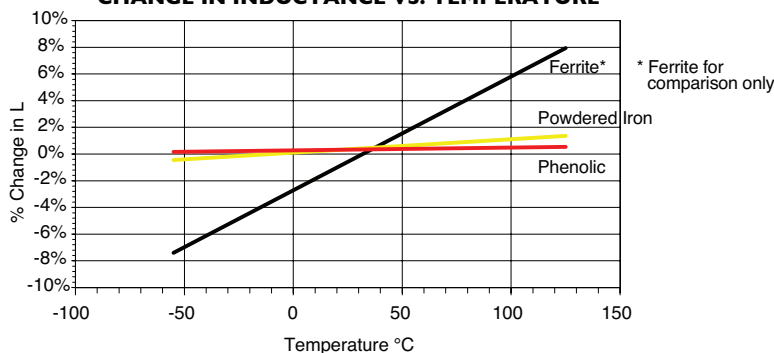
SM3G

SM3GLF*

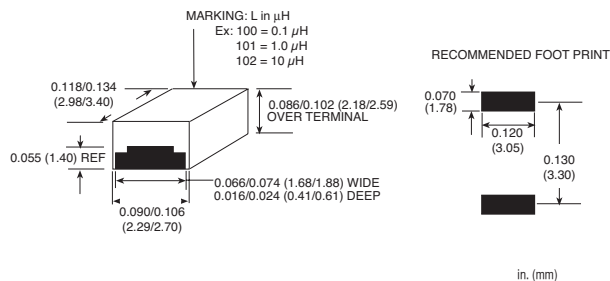
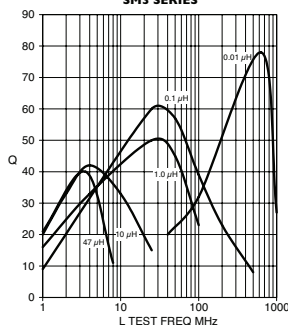

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**SM3 SERIES
CHANGE IN INDUCTANCE VS. TEMPERATURE**



**Q VS. FREQUENCY
SM3 SERIES**



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TAPE AND REEL SPECS:

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Pitch between parts:	8 mm
Tape width:	8 mm
Reel diameter:	7 in.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[SM3-270GLF](#)