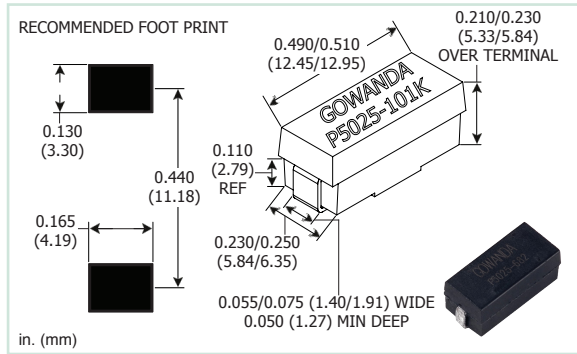


## SMP5025 TRADITIONAL Pb SMP5025LF\* ROHS COMPLIANT

Molded Unshielded Inductor



PART NUMBER	L $\mu$ H @ 1 kHz	DCR $\Omega$ MAX	I SAT A DC	CURRENT RATING A DC
<b>FERRITE CORE</b>				
SMP5025-101K	1.0	0.015	7.4	5.10
SMP5025-121K	1.2	0.017	6.4	4.80
SMP5025-151K	1.5	0.020	6.0	4.42
SMP5025-181K	1.8	0.023	5.6	4.12
SMP5025-221K	2.2	0.029	5.2	3.67
SMP5025-271K	2.7	0.030	4.6	3.61
SMP5025-331K	3.3	0.035	4.0	3.34
SMP5025-391K	3.9	0.038	3.8	3.20
SMP5025-471K	4.7	0.043	3.6	3.00
SMP5025-561K	5.6	0.046	3.2	2.91
SMP5025-681K	6.8	0.053	2.8	2.71
SMP5025-821K	8.2	0.058	2.7	2.59
SMP5025-102K	10	0.071	2.4	2.34
SMP5025-122K	12	0.079	2.2	2.22
SMP5025-152K	15	0.089	2.0	2.09
SMP5025-182K	18	0.109	1.8	1.89
SMP5025-222K	22	0.150	1.6	1.61
SMP5025-272K	27	0.170	1.5	1.51
SMP5025-332K	33	0.222	1.4	1.33
SMP5025-392K	39	0.250	1.2	1.25
SMP5025-472K	47	0.330	1.1	1.09
SMP5025-562K	56	0.370	1.0	1.03
SMP5025-682K	68	0.418	0.960	0.966
SMP5025-822K	82	0.468	0.900	0.913
SMP5025-103K	100	0.620	0.800	0.793
SMP5025-123K	120	0.684	0.700	0.755
SMP5025-153K	150	0.900	0.620	0.658
SMP5025-183K	180	1.04	0.560	0.612
SMP5025-223K	220	1.16	0.520	0.580
SMP5025-273K	270	1.63	0.450	0.489
SMP5025-333K	330	1.82	0.410	0.463
SMP5025-393K	390	2.05	0.390	0.436
SMP5025-473K	470	2.70	0.360	0.380
SMP5025-563K	560	2.80	0.330	0.373
SMP5025-683K	680	4.10	0.290	0.308
SMP5025-823K	820	4.70	0.260	0.288
SMP5025-104K	1000	5.40	0.245	0.269
SMP5025-124K	1200	8.30	0.220	0.218
SMP5025-154K	1500	9.40	0.200	0.204
SMP5025-184K	1800	11	0.190	0.188
SMP5025-224K	2200	12	0.160	0.180
SMP5025-274K	2700	16	0.150	0.156
SMP5025-334K	3300	17	0.140	0.151
SMP5025-394K	3900	21	0.130	0.136
SMP5025-474K	4700	25	0.120	0.125
SMP5025-564K	5600	30	0.110	0.114
SMP5025-684K	6800	49	0.094	0.089
SMP5025-824K	8200	55	0.088	0.084
SMP5025-105K	10000	62	0.080	0.079

**NOTES:**

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 40°C temperature rise at an ambient temperature of 85°C
- **Saturation Current** is the approximate value that will reduce the initial inductance by 5%
- **Weight Max:** 1.15 grams
- **Marking:** GOWANDA; P5025-xxx (dash #); tolerance GOWANDA P5025-101K
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- When ordering, specify **tolerance & termination:**

SMP5025-101KLF

**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:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter:	13 in.