

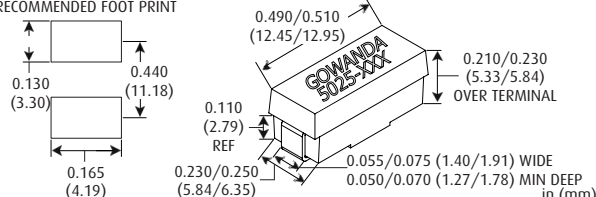
SMRF5025 SERIES



Molded Unshielded Inductor



RECOMMENDED FOOT PRINT



PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SMRF5025-100K	0.10	50	25	550	0.025	3835
SMRF5025-110J	0.11	50	25	535	0.027	3690
SMRF5025-120K	0.12	50	25	530	0.028	3624
SMRF5025-130J	0.13	50	25	527	0.029	3561
SMRF5025-150K	0.15	50	25	525	0.030	3500
SMRF5025-160J	0.16	50	25	525	0.035	3241
SMRF5025-180K	0.18	50	25	500	0.040	3032
SMRF5025-200J	0.20	50	25	475	0.047	2790
SMRF5025-220K	0.22	50	25	450	0.055	2580
SMRF5025-240J	0.24	45	25	415	0.060	2470
SMRF5025-270K	0.27	45	25	400	0.070	2285
SMRF5025-300J	0.30	45	25	380	0.080	2140
SMRF5025-330K	0.33	45	25	360	0.090	2015
SMRF5025-360J	0.36	45	25	350	0.098	1935
SMRF5025-390K	0.39	45	25	330	0.100	1915
SMRF5025-430J	0.43	45	25	315	0.110	1825
SMRF5025-470K	0.47	45	25	310	0.120	1750
SMRF5025-510J	0.51	45	25	300	0.125	1715
SMRF5025-560K	0.56	50	25	280	0.135	1645
SMRF5025-620J	0.62	50	25	280	0.140	1615
SMRF5025-680K	0.68	50	25	250	0.150	1555
SMRF5025-750J	0.75	50	25	230	0.180	1425
SMRF5025-820K	0.82	50	25	220	0.220	1300
SMRF5025-910J	0.91	50	25	210	0.240	1240
SMRF5025-101K	1.0	50	25	200	0.290	1125
SMRF5025-111J	1.1	33	7.9	190	0.350	1025
SMRF5025-121K	1.2	33	7.9	180	0.420	930
SMRF5025-131J	1.3	33	7.9	170	0.450	904
SMRF5025-151K	1.5	33	7.9	160	0.500	855
SMRF5025-161J	1.6	33	7.9	155	0.550	818
SMRF5025-181K	1.8	33	7.9	150	0.650	755
SMRF5025-201J	2.0	33	7.9	140	0.900	639
SMRF5025-221K	2.2	33	7.9	135	0.950	620
SMRF5025-241J	2.4	33	7.9	130	1.10	575
SMRF5025-271K	2.7	33	7.9	120	1.20	550
SMRF5025-301J	3.0	33	7.9	115	1.80	455
SMRF5025-331K	3.3	33	7.9	110	2.00	430
SMRF5025-361J	3.6	33	7.9	105	2.15	415
SMRF5025-391K	3.9	33	7.9	100	2.30	395
SMRF5025-431J	4.3	33	7.9	95	2.40	390
SMRF5025-471K	4.7	33	7.9	90	2.60	375
POWDERED IRON CORE						
SMRF5025-511J	5.1	35	7.9	65	0.350	987
SMRF5025-561K	5.6	45	7.9	60	0.370	960
SMRF5025-621J	6.2	45	7.9	60	0.560	781
SMRF5025-681K	6.8	50	7.9	55	0.590	760
SMRF5025-751J	7.5	50	7.9	55	0.650	724
SMRF5025-821K	8.2	50	7.9	50	0.670	714
SMRF5025-911J	9.1	50	7.9	50	0.890	619
SMRF5025-102K	10	55	7.9	45	1.12	552
SMRF5025-112J	11	60	2.5	44	1.24	525
SMRF5025-122K	12	65	2.5	42	1.25	522
SMRF5025-132J	13	65	2.5	41	1.30	520
SMRF5025-152K	15	65	2.5	40	1.90	424
SMRF5025-162J	16	70	2.5	38	2.26	389
SMRF5025-182K	18	75	2.5	34	2.47	372
SMRF5025-202J	20	75	2.5	30	2.70	355
SMRF5025-222K	22	75	2.5	30	2.86	345
SMRF5025-242J	24	60	2.5	26	3.00	337
SMRF5025-272K	27	60	2.5	25	3.30	322
SMRF5025-302J	30	65	2.5	21	3.50	312
SMRF5025-332K	33	65	2.5	19	3.70	304
SMRF5025-362J	36	60	2.5	15.5	2.50	337
SMRF5025-392K	39	60	2.5	14.5	2.60	368
SMRF5025-432J	43	60	2.5	13.7	2.70	361
SMRF5025-472K	47	55	2.5	13.0	2.75	352
SMRF5025-512J	51	55	2.5	12.7	2.85	346

PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
POWDERED IRON CORE (continued)						
SMRF5025-562K	56	55	2.5	12.0	3.0	335
SMRF5025-622J	62	55	2.5	11.5	3.15	329
SMRF5025-682K	68	55	2.5	11.0	3.30	320
SMRF5025-752J	75	55	2.5	10.5	3.7	302
SMRF5025-822K	82	50	2.5	10.3	5.0	261
SMRF5025-912J	91	50	2.5	10.0	5.3	254
SMRF5025-103K	100	50	2.5	9.5	5.4	251
SMRF5025-113J	110	60	0.79	8.9	6.0	238
SMRF5025-123K	120	65	0.79	8.7	6.4	231
SMRF5025-133J	130	65	0.79	8.5	6.5	229
SMRF5025-153K	150	65	0.79	8.0	7.2	218
SMRF5025-163J	160	65	0.79	7.5	7.4	215
SMRF5025-183K	180	65	0.79	7.0	7.8	209
SMRF5025-203J	200	65	0.79	6.5	8.3	203
SMRF5025-223K	220	65	0.79	6.2	8.5	200
SMRF5025-243J	240	65	0.79	5.9	9.0	195
SMRF5025-273K	270	65	0.79	5.7	11.0	182
SMRF5025-303J	300	65	0.79	5.4	11.5	178
SMRF5025-333K	330	65	0.79	5.1	12.0	173
SMRF5025-363J	360	65	0.79	4.8	12.5	171
SMRF5025-393K	390	65	0.79	4.5	16.3	149
SMRF5025-433J	430	65	0.79	4.2	17.1	147
SMRF5025-473K	470	65	0.79	3.9	17.9	143
SMRF5025-513J	510	65	0.79	3.7	18.8	139
SMRF5025-563K	560	65	0.79	3.8	19.5	136
SMRF5025-623J	620	65	0.79	3.3	25.9	119
SMRF5025-683K	680	65	0.79	3.1	27.2	116
SMRF5025-753J	750	65	0.79	2.9	28.6	112
SMRF5025-823K	820	65	0.79	2.7	30.0	110
SMRF5025-913J	910	65	0.79	2.5	31.5	107
SMRF5025-104K	1000	65	0.79	2.3	33.0	105

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
- **Weight Max:** 0.95 grams
- **Marking:** GOWANDA; 5025-XXX (dash number) (see diagram above)
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications include:** Electronic test equipment, medical equipment, telecommunications, disk drives, computers and modems, aviation equipment, navigation equipment and cable TV.

PART NUMBER DERIVATION

SMRF5025 - 100 K LF

GEC Series ———

Inductance: 2 signif. digits & mult.
ex: 100 = 0.10μH, 101 = 1.0μH, 102 = 10μH, 103 = 100μH

Tolerance: M = 20%, K = 10%, J = 5%
(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: 800

Pitch between parts: 12 mm

Tape width: 24 mm

Reel diameter: 13 in.