

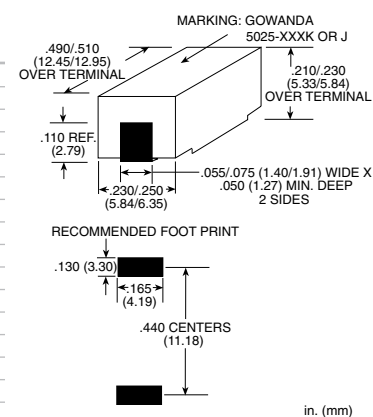
RF INDUCTORS - SURFACE MOUNT



SMRF5025LF RoHS Unshielded RF Inductors



| PART NUMBER | INDUCTANCE μ H | Q MIN | TEST FREQ. MHz | SRF MHz MIN | DCR OHMS MAX | CURRENT RATING* DC mA | CORE MATERIAL |
|-----------------|--------------------|-------|----------------|-------------|--------------|-----------------------|--------------------|
| SMRF5025-100KLF | .10 \pm 10% | 50 | 25 | 550 | .025 | 3835 | Phenolic Core |
| SMRF5025-110JLF | .11 \pm 5% | 50 | 25 | 535 | .027 | 3690 | Phenolic Core |
| SMRF5025-120KLF | .12 \pm 10% | 50 | 25 | 530 | .028 | 3624 | Phenolic Core |
| SMRF5025-130JLF | .13 \pm 5% | 50 | 25 | 527 | .029 | 3561 | Phenolic Core |
| SMRF5025-150KLF | .15 \pm 10% | 50 | 25 | 525 | .030 | 3500 | Phenolic Core |
| SMRF5025-160JLF | .16 \pm 5% | 50 | 25 | 525 | .035 | 3241 | Phenolic Core |
| SMRF5025-180KLF | .18 \pm 10% | 50 | 25 | 500 | .040 | 3032 | Phenolic Core |
| SMRF5025-200JLF | .20 \pm 5% | 50 | 25 | 475 | .047 | 2790 | Phenolic Core |
| SMRF5025-220KLF | .22 \pm 10% | 50 | 25 | 450 | .055 | 2580 | Phenolic Core |
| SMRF5025-240JLF | .24 \pm 5% | 45 | 25 | 415 | .060 | 2470 | Phenolic Core |
| SMRF5025-270KLF | .27 \pm 10% | 45 | 25 | 400 | .070 | 2285 | Phenolic Core |
| SMRF5025-300JLF | .30 \pm 5% | 45 | 25 | 380 | .080 | 2140 | Phenolic Core |
| SMRF5025-330KLF | .33 \pm 10% | 45 | 25 | 360 | .090 | 2015 | Phenolic Core |
| SMRF5025-360JLF | .36 \pm 5% | 45 | 25 | 350 | .098 | 1935 | Phenolic Core |
| SMRF5025-390KLF | .39 \pm 10% | 45 | 25 | 330 | .100 | 1915 | Phenolic Core |
| SMRF5025-430JLF | .43 \pm 5% | 45 | 25 | 315 | .110 | 1825 | Phenolic Core |
| SMRF5025-470KLF | .47 \pm 10% | 45 | 25 | 310 | .120 | 1750 | Phenolic Core |
| SMRF5025-510JLF | .51 \pm 5% | 45 | 25 | 300 | .125 | 1715 | Phenolic Core |
| SMRF5025-560KLF | .56 \pm 10% | 50 | 25 | 280 | .135 | 1645 | Phenolic Core |
| SMRF5025-620JLF | .62 \pm 5% | 50 | 25 | 280 | .140 | 1615 | Phenolic Core |
| SMRF5025-680KLF | .68 \pm 10% | 50 | 25 | 250 | .150 | 1555 | Phenolic Core |
| SMRF5025-750JLF | .75 \pm 5% | 50 | 25 | 230 | .180 | 1425 | Phenolic Core |
| SMRF5025-820KLF | .82 \pm 10% | 50 | 25 | 220 | .220 | 1300 | Phenolic Core |
| SMRF5025-910JLF | .91 \pm 5% | 50 | 25 | 210 | .240 | 1240 | Phenolic Core |
| SMRF5025-101KLF | 1.0 \pm 10% | 50 | 25 | 200 | .290 | 1125 | Phenolic Core |
| SMRF5025-111JLF | 1.1 \pm 5% | 33 | 7.9 | 190 | .350 | 1025 | Phenolic Core |
| SMRF5025-121KLF | 1.2 \pm 10% | 33 | 7.9 | 180 | .420 | 930 | Phenolic Core |
| SMRF5025-131JLF | 1.3 \pm 5% | 33 | 7.9 | 170 | .450 | 904 | Phenolic Core |
| SMRF5025-151KLF | 1.5 \pm 10% | 33 | 7.9 | 160 | .500 | 855 | Phenolic Core |
| SMRF5025-161JLF | 1.6 \pm 5% | 33 | 7.9 | 155 | .550 | 818 | Phenolic Core |
| SMRF5025-181KLF | 1.8 \pm 10% | 33 | 7.9 | 150 | .650 | 755 | Phenolic Core |
| SMRF5025-201JLF | 2.0 \pm 5% | 33 | 7.9 | 140 | .900 | 639 | Phenolic Core |
| SMRF5025-221KLF | 2.2 \pm 10% | 33 | 7.9 | 135 | .950 | 620 | Phenolic Core |
| SMRF5025-241JLF | 2.4 \pm 5% | 33 | 7.9 | 130 | 1.10 | 575 | Phenolic Core |
| SMRF5025-271KLF | 2.7 \pm 10% | 33 | 7.9 | 120 | 1.20 | 550 | Phenolic Core |
| SMRF5025-301JLF | 3.0 \pm 5% | 33 | 7.9 | 115 | 1.80 | 455 | Phenolic Core |
| SMRF5025-331KLF | 3.3 \pm 10% | 33 | 7.9 | 110 | 2.00 | 430 | Phenolic Core |
| SMRF5025-361JLF | 3.6 \pm 5% | 33 | 7.9 | 105 | 2.15 | 415 | Phenolic Core |
| SMRF5025-391KLF | 3.9 \pm 10% | 33 | 7.9 | 100 | 2.30 | 395 | Phenolic Core |
| SMRF5025-431JLF | 4.3 \pm 5% | 33 | 7.9 | 95 | 2.40 | 390 | Phenolic Core |
| SMRF5025-471KLF | 4.7 \pm 10% | 33 | 7.9 | 90 | 2.60 | 375 | Phenolic Core |
| SMRF5025-511JLF | 5.1 \pm 5% | 35 | 7.9 | 65 | .350 | 987 | Powdered Iron Core |
| SMRF5025-561KLF | 5.6 \pm 10% | 45 | 7.9 | 60 | .370 | 960 | Powdered Iron Core |
| SMRF5025-621JLF | 6.2 \pm 5% | 45 | 7.9 | 60 | .560 | 781 | Powdered Iron Core |
| SMRF5025-681KLF | 6.8 \pm 10% | 50 | 7.9 | 55 | .590 | 760 | Powdered Iron Core |
| SMRF5025-751JLF | 7.5 \pm 5% | 50 | 7.9 | 55 | .650 | 724 | Powdered Iron Core |
| SMRF5025-821KLF | 8.2 \pm 10% | 50 | 7.9 | 50 | .670 | 714 | Powdered Iron Core |
| SMRF5025-911JLF | 9.1 \pm 5% | 50 | 7.9 | 50 | .890 | 619 | Powdered Iron Core |
| SMRF5025-102KLF | 10.0 \pm 10% | 55 | 7.9 | 45 | 1.12 | 552 | Powdered Iron Core |
| SMRF5025-112JLF | 11.0 \pm 5% | 60 | 2.5 | 44 | 1.24 | 525 | Powdered Iron Core |
| SMRF5025-122KLF | 12.0 \pm 10% | 65 | 2.5 | 42 | 1.25 | 522 | Powdered Iron Core |
| SMRF5025-132JLF | 13.0 \pm 5% | 65 | 2.5 | 41 | 1.30 | 520 | Powdered Iron Core |
| SMRF5025-152KLF | 15.0 \pm 10% | 65 | 2.5 | 40 | 1.90 | 424 | Powdered Iron Core |
| SMRF5025-162JLF | 16.0 \pm 5% | 70 | 2.5 | 38 | 2.26 | 389 | Powdered Iron Core |
| SMRF5025-182KLF | 18.0 \pm 10% | 75 | 2.5 | 34 | 2.47 | 372 | Powdered Iron Core |
| SMRF5025-202JLF | 20.0 \pm 5% | 75 | 2.5 | 30 | 2.70 | 355 | Powdered Iron Core |
| SMRF5025-222KLF | 22.0 \pm 10% | 75 | 2.5 | 30 | 2.86 | 345 | Powdered Iron Core |
| SMRF5025-242JLF | 24.0 \pm 5% | 60 | 2.5 | 26 | 3.00 | 337 | Powdered Iron Core |
| SMRF5025-272KLF | 27.0 \pm 10% | 60 | 2.5 | 25 | 3.30 | 322 | Powdered Iron Core |



NOTES:

- Operating temperature -55°C to +125°C
- *Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.

TAPE & REEL SPECS:

| | |
|-----------------------|-------|
| Pcs./Reel maximum: | 800 |
| Pitch between parts: | 12 mm |
| Tape width: | 24 mm |
| Reel diameter inches: | 13 |

Optional tolerances available, consult factory

continued next page

SMRF5025LF - continued

| PART NUMBER | INDUCTANCE μ H | Q MIN | TEST FREQ. MHz | SRF MHz MIN | DCR OHMS MAX | CURRENT RATING* DC mA | CORE MATERIAL |
|-----------------|--------------------|-------|----------------|-------------|--------------|-----------------------|--------------------|
| SMRF5025-302JLF | 30.0 \pm 5% | 65 | 2.5 | 21 | 3.50 | 312 | Powdered Iron Core |
| SMRF5025-332KLF | 33.0 \pm 10% | 65 | 2.5 | 19 | 3.70 | 304 | Powdered Iron Core |
| SMRF5025-362JLF | 36.0 \pm 5% | 60 | 2.5 | 15.5 | 2.50 | 337 | Powdered Iron Core |
| SMRF5025-392KLF | 39.0 \pm 10% | 60 | 2.5 | 14.5 | 2.60 | 368 | Powdered Iron Core |
| SMRF5025-432JLF | 43.0 \pm 5% | 60 | 2.5 | 13.7 | 2.70 | 361 | Powdered Iron Core |
| SMRF5025-472KLF | 47.0 \pm 10% | 55 | 2.5 | 13.0 | 2.75 | 352 | Powdered Iron Core |
| SMRF5025-512JLF | 51.0 \pm 5% | 55 | 2.5 | 12.7 | 2.85 | 346 | Powdered Iron Core |
| SMRF5025-562KLF | 56.0 \pm 10% | 55 | 2.5 | 12.0 | 3.00 | 335 | Powdered Iron Core |
| SMRF5025-622JLF | 62.0 \pm 5% | 55 | 2.5 | 11.5 | 3.15 | 329 | Powdered Iron Core |
| SMRF5025-682KLF | 68.0 \pm 10% | 55 | 2.5 | 11.0 | 3.30 | 320 | Powdered Iron Core |
| SMRF5025-752JLF | 75.0 \pm 5% | 55 | 2.5 | 10.5 | 3.70 | 302 | Powdered Iron Core |
| SMRF5025-822KLF | 82.0 \pm 10% | 50 | 2.5 | 10.3 | 5.00 | 261 | Powdered Iron Core |
| SMRF5025-912JLF | 91.0 \pm 5% | 50 | 2.5 | 10.0 | 5.30 | 254 | Powdered Iron Core |
| SMRF5025-103KLF | 100.0 \pm 10% | 50 | 2.5 | 9.5 | 5.40 | 251 | Powdered Iron Core |
| SMRF5025-113JLF | 110.0 \pm 5% | 60 | .79 | 8.9 | 6.00 | 238 | Powdered Iron Core |
| SMRF5025-123KLF | 120.0 \pm 10% | 65 | .79 | 8.7 | 6.40 | 231 | Powdered Iron Core |
| SMRF5025-133JLF | 130.0 \pm 5% | 65 | .79 | 8.5 | 6.50 | 229 | Powdered Iron Core |
| SMRF5025-153KLF | 150.0 \pm 10% | 65 | .79 | 8.0 | 7.20 | 218 | Powdered Iron Core |
| SMRF5025-163JLF | 160.0 \pm 5% | 65 | .79 | 7.5 | 7.40 | 215 | Powdered Iron Core |
| SMRF5025-183KLF | 180.0 \pm 10% | 65 | .79 | 7.0 | 7.80 | 209 | Powdered Iron Core |
| SMRF5025-203JLF | 200.0 \pm 5% | 65 | .79 | 6.5 | 8.30 | 203 | Powdered Iron Core |
| SMRF5025-223KLF | 220.0 \pm 10% | 65 | .79 | 6.2 | 8.50 | 200 | Powdered Iron Core |
| SMRF5025-243JLF | 240.0 \pm 5% | 65 | .79 | 5.9 | 9.00 | 195 | Powdered Iron Core |
| SMRF5025-273KLF | 270.0 \pm 10% | 65 | .79 | 5.7 | 11.0 | 182 | Powdered Iron Core |
| SMRF5025-303JLF | 300.0 \pm 5% | 65 | .79 | 5.4 | 11.5 | 178 | Powdered Iron Core |
| SMRF5025-333KLF | 330.0 \pm 10% | 65 | .79 | 5.1 | 12.0 | 173 | Powdered Iron Core |
| SMRF5025-363JLF | 360.0 \pm 5% | 65 | .79 | 4.8 | 12.5 | 171 | Powdered Iron Core |
| SMRF5025-393KLF | 390.0 \pm 10% | 65 | .79 | 4.5 | 16.3 | 149 | Powdered Iron Core |
| SMRF5025-433JLF | 430.0 \pm 5% | 65 | .79 | 4.2 | 17.1 | 147 | Powdered Iron Core |
| SMRF5025-473KLF | 470.0 \pm 10% | 65 | .79 | 3.9 | 17.9 | 143 | Powdered Iron Core |
| SMRF5025-513JLF | 510.0 \pm 5% | 65 | .79 | 3.7 | 18.8 | 139 | Powdered Iron Core |
| SMRF5025-563KLF | 560.0 \pm 10% | 65 | .79 | 3.8 | 19.5 | 136 | Powdered Iron Core |
| SMRF5025-623JLF | 620.0 \pm 5% | 65 | .79 | 3.3 | 25.9 | 119 | Powdered Iron Core |
| SMRF5025-683KLF | 680.0 \pm 10% | 65 | .79 | 3.1 | 27.2 | 116 | Powdered Iron Core |
| SMRF5025-753JLF | 750.0 \pm 5% | 65 | .79 | 2.9 | 28.6 | 112 | Powdered Iron Core |
| SMRF5025-823KLF | 820.0 \pm 10% | 65 | .79 | 2.7 | 30.0 | 110 | Powdered Iron Core |
| SMRF5025-913JLF | 910.0 \pm 5% | 65 | .79 | 2.5 | 31.5 | 107 | Powdered Iron Core |
| SMRF5025-104KLF | 1000.0 \pm 10% | 65 | .79 | 2.3 | 33.0 | 105 | Powdered Iron Core |

Optional tolerances available, consult factory

