

RF INDUCTORS - SURFACE MOUNT



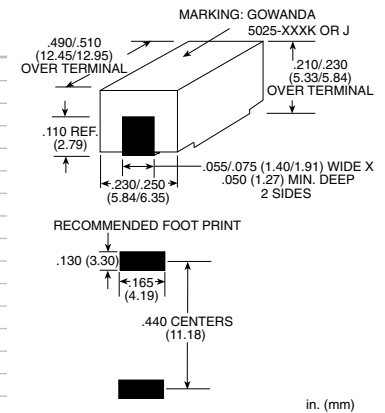
SMRF5025 Unshielded RF Inductors



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

Optional tolerances available, consult factory

continued next page



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:

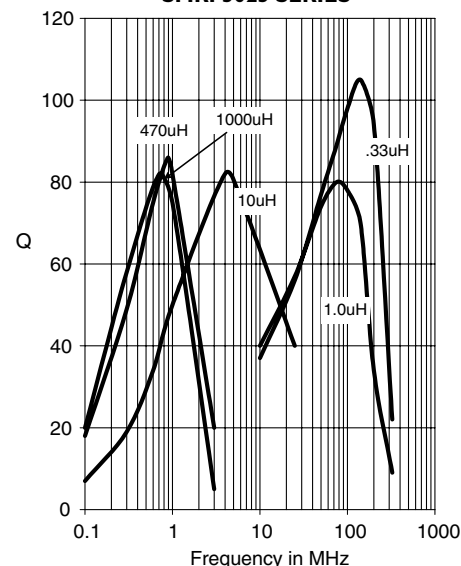
Pcs./Reel maximum:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter inches:	13

SMRF5025 - continued

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

Optional tolerances available, consult factory

**Q VS. FREQUENCY
SMRF5025 SERIES**



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