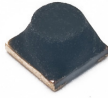


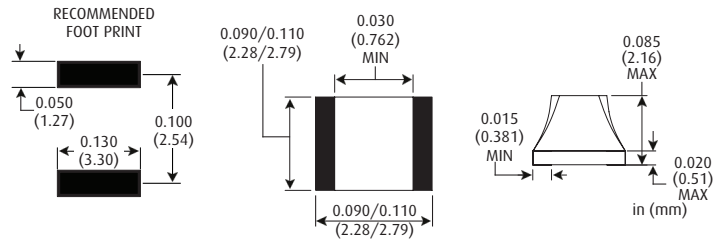
SMRF1010 SERIES



SMT Epoxy-Coated Chip Inductor

COTS Military Specifications:
M83446/4 (reference only)

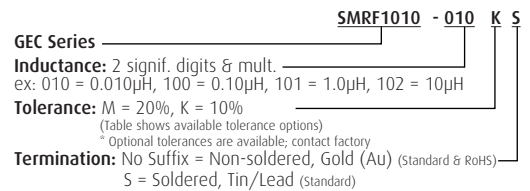
PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SMRF1010-010K	0.010	60	50	2700	0.060	1270
SMRF1010-012K	0.012	57	50	2450	0.069	1190
SMRF1010-015K	0.015	55	50	2200	0.078	1110
SMRF1010-018K	0.018	52	50	2000	0.093	1030
SMRF1010-022K	0.022	50	50	1800	0.108	950
SMRF1010-027K	0.027	49	50	1625	0.114	925
SMRF1010-033K	0.033	48	50	1450	0.120	900
SMRF1010-039K	0.039	45	50	1335	0.133	860
SMRF1010-047K	0.047	42	50	1220	0.145	820
SMRF1010-056K	0.056	39	50	1110	0.170	760
SMRF1010-068K	0.068	36	50	1000	0.195	705
SMRF1010-082K	0.082	34	50	915	0.212	675
SMRF1010-100K	0.100	32	50	830	0.230	650
SMRF1010-120K	0.120	30	25	750	0.125	880
SMRF1010-150K	0.150	25	25	650	0.175	745
SMRF1010-180K	0.180	25	25	550	0.200	695
SMRF1010-220K	0.220	25	25	450	0.220	665
SMRF1010-270K	0.270	25	25	375	0.230	650
SMRF1010-330K	0.330	25	25	300	0.235	645
SMRF1010-390K	0.390	22	25	235	0.240	635
SMRF1010-470K	0.470	22	25	215	0.260	610
SMRF1010-560K	0.560	22	25	195	0.278	590
SMRF1010-680K	0.680	22	25	175	0.520	435
SMRF1010-820K	0.820	22	25	160	0.530	430
SMRF1010-101K	1.0	22	25	145	0.540	425
SMRF1010-121K	1.2	22	7.9	130	0.740	360
SMRF1010-151K	1.5	22	7.9	115	0.840	340
SMRF1010-181K	1.8	22	7.9	105	0.920	325
SMRF1010-221K	2.2	22	7.9	85	1.00	310
SMRF1010-271K	2.7	22	7.9	77	1.15	290
SMRF1010-331K	3.3	24	7.9	70	1.40	260
SMRF1010-391K	3.9	24	7.9	68	1.55	250
SMRF1010-471K	4.7	24	7.9	60	1.80	230
SMRF1010-561K	5.6	22	7.9	55	2.00	220
SMRF1010-681K	6.8	22	7.9	50	2.20	210
SMRF1010-821K	8.2	22	7.9	48	2.50	195
SMRF1010-102K	10	24	7.9	40	3.45	165
SMRF1010-122K	12	25	2.5	35	3.80	160
SMRF1010-152K	15	25	2.5	30	5.60	135
SMRF1010-182K	18	25	2.5	28	5.80	130
SMRF1010-222K	22	25	2.5	25	6.40	125
SMRF1010-272K	27	25	2.5	22	6.90	120



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
- **DWV** 500 Vrms @ Sea Level
80 Vrms @ 70,000 Feet
- **Weight Max:** <0.05 grams
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



TAPE AND REEL SPECS

Pieces/reel maximum:	2000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.