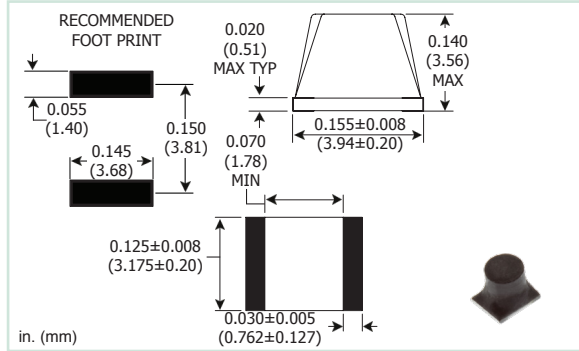


**SMRF1512S** RoHS COMPLIANT  
**SMRF1512SKS** TRADITIONAL Pb

Shielded Epoxy Coated Chip Inductor



PART NUMBER	COTS PART #	L μH	Q MIN	TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
<b>M83446/11 - FERRITE CORE/FERRITE SLEEVE</b>							
SMRF1512S-100K	-62	0.10	79	25	600	0.03	1000
SMRF1512S-120K	-63	0.12	79	25	520	0.03	1000
SMRF1512S-150K	-64	0.15	79	25	490	0.03	1000
SMRF1512S-180K	-65	0.18	79	25	460	0.04	1000
SMRF1512S-220K	-66	0.22	79	25	430	0.04	1000
SMRF1512S-270K	-67	0.27	88	25	370	0.04	1000
SMRF1512S-330K	-68	0.33	93	25	310	0.05	750
SMRF1512S-390K	-69	0.39	102	25	280	0.05	750
SMRF1512S-470K	-70	0.47	106	25	260	0.05	750
SMRF1512S-560K	-71	0.56	106	25	240	0.06	700
SMRF1512S-680K	-72	0.68	106	25	200	0.06	700
SMRF1512S-820K	-73	0.82	106	25	185	0.06	700
SMRF1512S-101K	-74	1.0	106	25	175	0.09	650
SMRF1512S-121K	-75	1.2	90	7.9	150	0.09	650
SMRF1512S-151K	-76	1.5	100	7.9	135	0.14	600
SMRF1512S-181K	-77	1.8	100	7.9	120	0.20	500
SMRF1512S-221K	-78	2.2	100	7.9	105	0.30	400
SMRF1512S-271K	-79	2.7	100	7.9	85	0.40	350
SMRF1512S-331K	-80	3.3	100	7.9	80	0.46	330
SMRF1512S-391K	-81	3.9	105	7.9	64	0.52	310
SMRF1512S-471K	-82	4.7	115	7.9	56	0.54	300
SMRF1512S-561K	-83	5.6	115	7.9	49	0.60	285
SMRF1512S-681K	-84	6.8	115	7.9	45	0.66	270
SMRF1512S-821K	-85	8.2	115	7.9	41	1.0	225
SMRF1512S-102K	-86	10	100	7.9	39	1.2	200
SMRF1512S-122K	-87	12	100	2.5	34	1.5	180
SMRF1512S-152K	-88	15	100	2.5	30	1.8	170
SMRF1512S-182K	-89	18	100	2.5	26	1.9	160
SMRF1512S-222K	-90	22	105	2.5	23	2.1	150
SMRF1512S-272K	-91	27	110	2.5	20	2.4	140
SMRF1512S-332K	-92	33	120	2.5	18	2.7	130
SMRF1512S-392K	-93	39	120	2.5	17	3.1	125
SMRF1512S-472K	-94	47	120	2.5	16	3.2	125
SMRF1512S-562K	-95	56	110	2.5	14	3.5	120
SMRF1512S-682K	-96	68	110	2.5	12	4.0	111
SMRF1512S-822K	-97	82	110	2.5	10	4.8	102
SMRF1512S-103K	-98	100	110	2.5	9.4	5.7	93
SMRF1512S-123K	-99	120	85	0.79	8.0	6.2	89
SMRF1512S-153K	-100	150	85	0.79	8.0	6.3	89
SMRF1512S-183K	-101	180	85	0.79	6.9	6.4	88
SMRF1512S-223K	-102	220	85	0.79	6.1	7.4	82
SMRF1512S-273K	-103	270	85	0.79	5.2	8.1	78
SMRF1512S-333K	-104	330	100	0.79	4.6	8.8	75
SMRF1512S-393K	-105	390	100	0.79	4.0	9.7	72
SMRF1512S-473K	-106	470	100	0.79	3.6	10	69
SMRF1512S-563K	-107	560	100	0.79	2.8	11	66
SMRF1512S-683K	-108	680	100	0.79	2.3	12	64
SMRF1512S-823K	-109	820	95	0.79	2.1	17	53
SMRF1512S-104K	-110	1000	95	0.79	2.0	22	47
SMRF1512S-124K	-111	1200	75	0.25	1.7	24	45
SMRF1512S-154K	-112	1500	75	0.25	1.6	25	44
SMRF1512S-184K	-113	1800	75	0.25	1.5	27	43
SMRF1512S-224K	-114	2200	75	0.25	1.4	30	40
SMRF1512S-274K	-115	2700	75	0.25	1.3	34	38
SMRF1512S-334K	-116	3300	75	0.25	1.2	39	35
SMRF1512S-394K	-117	3900	75	0.25	1.1	56	29
SMRF1512S-474K	-118	4700	75	0.25	1.0	70	26
SMRF1512S-564K	-119	5600	75	0.25	0.9	80	25
SMRF1512S-684K	-120	6800	75	0.25	0.8	90	23
SMRF1512S-824K	-121	8200	75	0.25	0.7	100	22
SMRF1512S-105K	-122	10000	75	0.25	0.7	110	21

**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  
200 Vrms @ 70,000 Feet
- **Weight Max:** 0.12 grams
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- When ordering, specify **Tolerance & Termination:**  
SMRF1512S-100KS  
**Tolerance:** M = 20%, K = 10%  
(Table shows lowest standard tolerance option)  
*Optional tolerances are available; contact factory*  
**Termination:** Non-soldered = gold (Au) termination  
S = Soldered (2 versions available):  
Non-LF = Tin/Lead  
LF = Tin/Copper
- Custom designs are available to meet your specific requirements; please contact factory

**TAPE AND REEL SPECS:**

Pcs./Reel maximum:	500
Pitch between parts:	8 mm
Inside tape spacing:	16 mm
Reel diameter:	7 in.