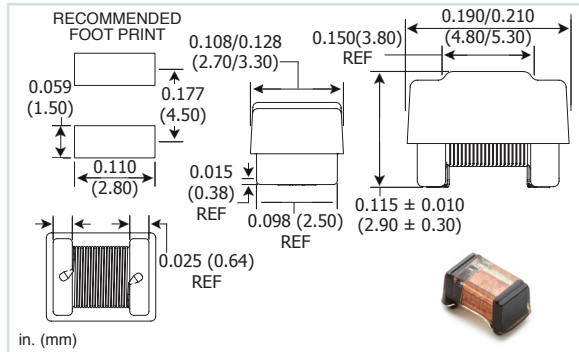


**CF4H1812** 

Ferrite High Performance Chip Inductor



PART NUMBER	L μH	L & Q TEST FREQ MHz	Q MIN	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC MAX
<b>FERRITE CORE</b>						
CF4H1812-120K	0.12	25	40	855	0.06	2430
CF4H1812-150K	0.15	25	45	690	0.08	2100
CF4H1812-180K	0.18	25	50	690	0.08	2100
CF4H1812-220K	0.22	25	55	565	0.13	1650
CF4H1812-270K	0.27	25	55	565	0.14	1590
CF4H1812-330K	0.33	25	55	565	0.15	1540
CF4H1812-390G	0.39	25	60	490	0.16	1430
CF4H1812-470G	0.47	25	60	435	0.16	1430
CF4H1812-560G	0.56	25	60	425	0.18	1350
CF4H1812-680G	0.68	25	55	400	0.25	1150
CF4H1812-820G	0.82	25	55	290	0.30	1050
CF4H1812-101G	1.0	7.9	53	290	0.33	990
CF4H1812-121G	1.2	7.9	50	230	0.37	940
CF4H1812-151G	1.5	7.9	50	220	0.41	900
CF4H1812-181G	1.8	7.9	50	205	0.45	850
CF4H1812-221G	2.2	7.9	50	170	0.48	830
CF4H1812-271G	2.7	7.9	50	160	0.54	780
CF4H1812-331G	3.3	7.9	50	145	0.60	740
CF4H1812-391G	3.9	7.9	55	140	0.66	680
CF4H1812-471G	4.7	7.9	55	125	0.72	650
CF4H1812-561G	5.6	7.9	55	125	0.90	580
CF4H1812-681G	6.8	7.9	55	110	1.1	525
CF4H1812-821G	8.2	7.9	60	105	1.3	485
CF4H1812-102G	10	7.9	60	75	1.5	450
CF4H1812-122G	12	2.5	55	70	1.6	435
CF4H1812-152G	15	2.5	50	55	1.8	410
CF4H1812-182G	18	2.5	50	45	2.0	390
CF4H1812-222G	22	2.5	50	35	2.2	370
CF4H1812-272G	27	2.5	50	35	2.5	350
CF4H1812-332G	33	2.5	50	35	2.8	315
CF4H1812-392G	39	2.5	50	30	3.1	300
CF4H1812-472G	47	2.5	50	30	3.3	290
CF4H1812-562G	56	2.5	50	30	4.1	260
CF4H1812-682G	68	2.5	50	20	4.9	240
CF4H1812-822G	82	2.5	55	20	5.7	220
CF4H1812-103G	100	2.5	55	20	6.5	207
CF4H1812-123G	120	0.79	55	15	7.3	195
CF4H1812-153G	150	0.79	50	15	8.1	185
CF4H1812-183G	180	0.79	45	15	8.9	177
CF4H1812-223G	220	0.79	44	9	9.5	171
CF4H1812-273G	270	0.79	44	9	10	167
CF4H1812-333G	330	0.79	43	7	11	159
CF4H1812-393G	390	0.79	42	6	11	159
CF4H1812-473G	470	0.79	42	6	12	152
CF4H1812-563G	560	0.79	42	6	17	128
CF4H1812-683G	680	0.79	40	6	21	115
CF4H1812-823G	820	0.79	35	6	26	103
CF4H1812-104G	1000	0.79	35	6	30	96

**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:** 0.120 grams
- Suitable for Reflow soldering
- Flat top cover for pick and place
- Excellent for high frequency applications
- No internal solder connection increases reliability
- Very tight distribution within lots
- Extremely high SRF; Exceptional Q
- High current handling capability
- Low DC resistance
- When ordering, specify **tolerance:**

CF4H1812-120K

**Tolerance:** M = 20%, K = 10%, J = 5%, G = 2%  
(Table shows lowest standard tolerance option)  
*\*Optional tolerances are available; contact factory*

**Termination:** Gold over Nickel

- 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
Tape width:	16 mm
Reel diameter:	7 in.