

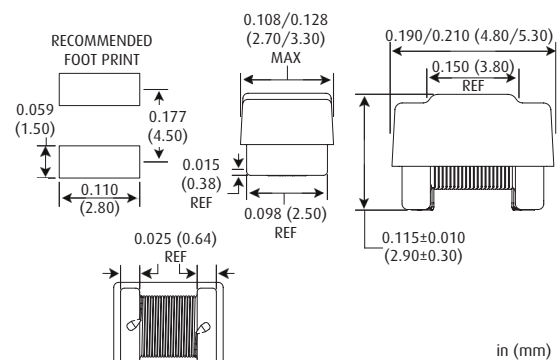
CF4H1812 SERIES



Ferrite High Performance Chip Inductor



PART NUMBER	L nH	L&Q TEST FREQ MHz	Q MIN	SRF MHZ MIN	DCR Ω MAX	CURRENT RATING mA DC MAX
FERRITE CORE						
CF4H1812-120K	0.12	25	40	855	0.060	2430
CF4H1812-150K	0.15	25	45	690	0.080	2100
CF4H1812-180K	0.18	25	50	690	0.080	2100
CF4H1812-220K	0.22	25	55	565	0.130	1650
CF4H1812-270K	0.27	25	55	565	0.140	1590
CF4H1812-330K	0.33	25	55	565	0.150	1540
CF4H1812-390G	0.39	25	60	490	0.160	1430
CF4H1812-470G	0.47	25	60	435	0.160	1430
CF4H1812-560G	0.56	25	60	425	0.180	1350
CF4H1812-680G	0.68	25	55	400	0.250	1150
CF4H1812-820G	0.82	25	55	290	0.300	1050
CF4H1812-101G	1.0	7.9	53	290	0.330	990
CF4H1812-121G	1.2	7.9	50	230	0.370	940
CF4H1812-151G	1.5	7.9	50	220	0.410	900
CF4H1812-181G	1.8	7.9	50	205	0.450	850
CF4H1812-221G	2.2	7.9	50	170	0.480	830
CF4H1812-271G	2.7	7.9	50	160	0.540	780
CF4H1812-331G	3.3	7.9	50	145	0.600	740
CF4H1812-391G	3.9	7.9	55	140	0.660	680
CF4H1812-471G	4.7	7.9	55	125	0.720	650
CF4H1812-561G	5.6	7.9	55	125	0.900	580
CF4H1812-681G	6.8	7.9	55	110	1.10	525
CF4H1812-821G	8.2	7.9	60	105	1.30	485
CF4H1812-102G	10	7.9	60	75	1.50	450
CF4H1812-122G	12	2.5	55	70	1.60	435
CF4H1812-152G	15	2.5	50	55	1.80	410
CF4H1812-182G	18	2.5	50	45	2.00	390
CF4H1812-222G	22	2.5	50	35	2.20	370
CF4H1812-272G	27	2.5	50	35	2.50	350
CF4H1812-332G	33	2.5	50	35	2.80	315
CF4H1812-392G	39	2.5	50	30	3.10	300
CF4H1812-472G	47	2.5	50	30	3.30	290
CF4H1812-562G	56	2.5	50	30	4.10	260
CF4H1812-682G	68	2.5	50	20	4.90	240
CF4H1812-822G	82	2.5	55	20	5.70	220
CF4H1812-103G	100	2.5	55	20	6.50	207
CF4H1812-123G	120	0.79	55	15	7.30	195
CF4H1812-153G	150	0.79	50	15	8.10	185
CF4H1812-183G	180	0.79	45	15	8.90	177
CF4H1812-223G	220	0.79	44	9	9.50	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
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

GEC Series ————— **CF4H1812 - 120 K**

Inductance: 2 signif. digits & mult. —————

ex: 120 = 0.12μH, 121 = 1.2μH, 122 = 12μH, 123 = 120μH

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 (standard and RoHS compliant)

TAPE AND REEL SPECS

Pieces/reel maximum: 500

Pitch between parts: 8 mm

Tape width: 16 mm

Reel diameter: 7 in.