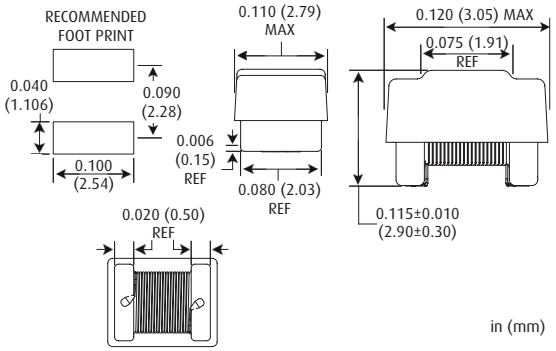
CF4H1008 SERIES

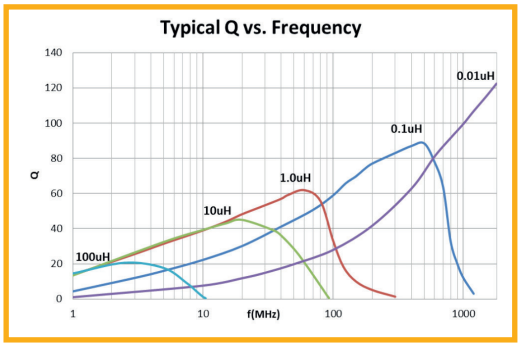
Ferrite High Performance Chip Inductor

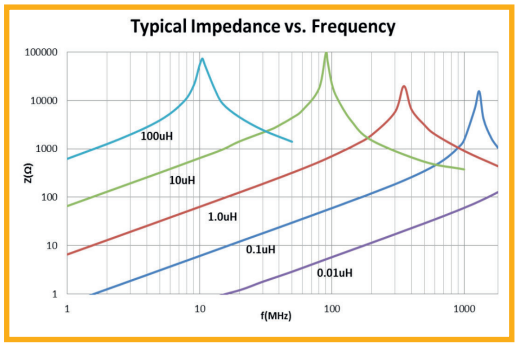




in (mm)

PART NUMBER	L µH	L TEST FREQ MHz	Q MIN	Q TEST FREQ MHz	SRF MHZ MIN	DCR Ω MAX	CURRENT RATING mA DC MAX
FERRITE CORE							
CF4H1008-120G	0.12	25	45	75	900	0.15	1420
CF4H1008-150G	0.15	25	45	75	800	0.18	1300
CF4H1008-180G	0.18	25	45	75	750	0.20	1230
CF4H1008-220G	0.22	25	45	75	700	0.22	1120
CF4H1008-270G	0.27	25	45	75	600	0.24	1080
CF4H1008-330G	0.33	25	45	75	520	0.25	1050
CF4H1008-390G	0.39	25	40	75	450	0.25	1050
CF4H1008-470G	0.47	25	40	75	400	0.26	1030
CF4H1008-560G	0.56	25	40	75	375	0.27	970
CF4H1008-680G	0.68	25	40	75	330	0.30	920
CF4H1008-820G	0.82	25	40	75	300	0.32	890
CF4H1008-101G	1.0	7.9	35	50	280	0.35	850
CF4H1008-121G	1.2	7.9	35	50	260	0.38	815
CF4H1008-151G	1.5	7.9	35	50	240	0.41	785
CF4H1008-181G	1.8	7.9	35	50	220	0.46	740
CF4H1008-221G	2.2	7.9	35	50	205	0.75	580
CF4H1008-271G	2.7	7.9	35	50	185	0.95	515
CF4H1008-331G	3.3	7.9	35	50	170	1.35	430
CF4H1008-391G	3.9	7.9	35	50	155	1.50	410
CF4H1008-471G	4.7	7.9	35	25	140	1.60	400
CF4H1008-561G	5.6	7.9	35	25	128	1.70	390
CF4H1008-681G	6.8	7.9	30	25	110	2.00	355
CF4H1008-821G	8.2	7.9	30	25	95	2.20	340
CF4H1008-102G	10	7.9	30	25	80	2.40	325
CF4H1008-122G	12	2.5	30	25	70	3.50	270
CF4H1008-152G	15	2.5	30	25	65	4.10	250
CF4H1008-182G	18	2.5	30	7.9	40	5.0	225
CF4H1008-222G	22	2.5	30	7.9	35	6.0	205
CF4H1008-272G	27	2.5	30	7.9	30	7.0	190
CF4H1008-332G	33	2.5	30	7.9	25	8.0	180
CF4H1008-392G	39	2.5	30	7.9	20	9.0	170
CF4H1008-472G	47	2.5	30	2.5	16	10	160
CF4H1008-562G	56	2.5	30	2.5	14	11	152
CF4H1008-682G	68	2.5	30	2.5	12	13	140
CF4H1008-822G	82	2.5	30	2.5	10	14	135
CF4H1008-103G	100	2.5	30	2.5	9.6	16	125





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:** 0.050 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
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

CF4H1008 - 120 G

GEC Series

Inductance: 2 signif. digits & mult.
ex: 120 = 0.12µH, 101 = 1.0µH, 102 = 10µH, 103 = 100µH

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:	2000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.

One Magnetics Parkway
Gowanda, New York 14070, USA

sales@gowanda.com P +1.716.532.2234

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REV: ISSUE
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