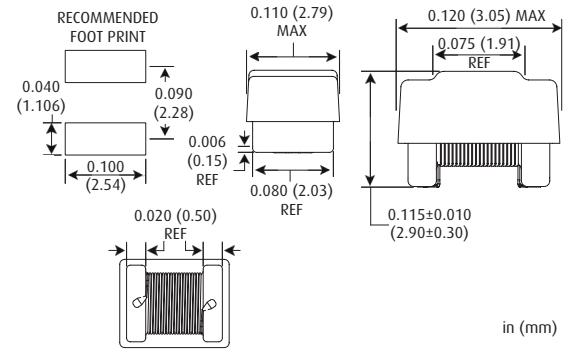


CF4H1008 SERIES 
Ferrite High Performance Chip Inductor



| 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 |

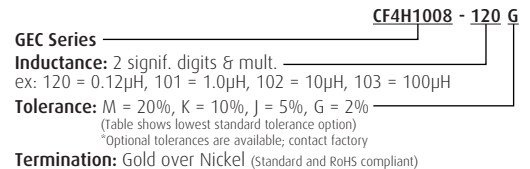


in (mm)

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
- 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. |