1008 Ceramic Core Inductors

At Knowles, we will be offering ceramic core inductors designed for applications that demand high-performance, High-Q inductors. These inductors provide exceptional thermal and physical stability, making them ideal for designs in the medical and defense markets.

Please contact Knowles for more information on the latest updates.

KNOWLES COMPETITIVE ADVANTAGE

- Q meeting or exceeding industry leader's inductors
- Knowles ceramic core and powder knowledge and expertise
- Competitive Pricing
- Flexibility in design and testing
- Copper Barrier Plating available for non-magnetic applications

APPLICATIONS

- RF Transceivers
- MRI Applications
- Military Radio Systems
- Antenna
- Radar Systems
- RF Testing and Measurements

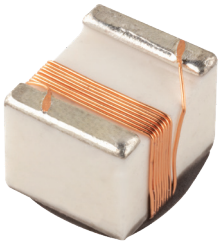
DIMENSIONS

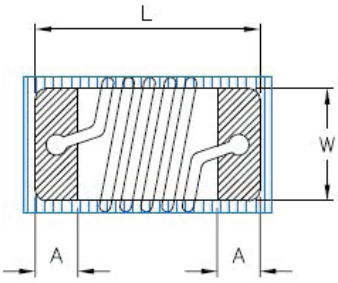
= PLASTIC DIP

= TERMINATION/ PLATED AREA

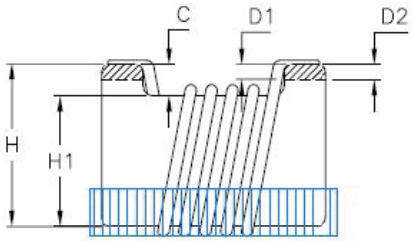
L	W	H	H1	A	C	D1(Max)	D2(Max)
2.50	2.02	1.80	1.56	0.48	0.24	0.15	0.15

(Dimensions in mm)

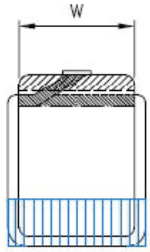




TOP VIEW



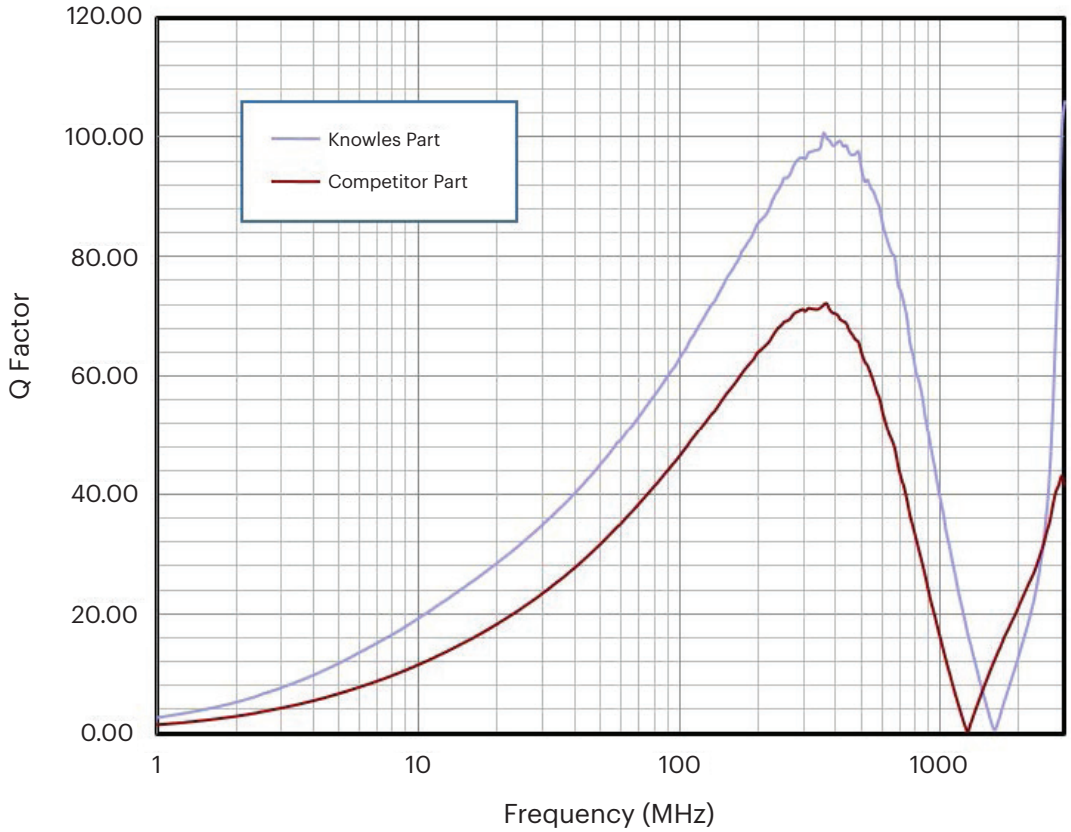
SIDE VIEW



END VIEW

Q VS FREQUENCY GRAPH

(For Reference and Does Not Constitute as a Specification)



SPECIFICATIONS

Part Number	Inductance (nH)	Inductance Tolerance	Q Min	DC Resistance (Ohm) Max	Current Rating (mA) at 85°C
CL1008-2123JQL1T-1	12 @ 50 MHz	5%	50 @ 500 MHz	0.08	1000
CL1008-2823JQL1T-1	82 @ 50 MHz	5%	60 @ 350 MHz	0.22	1000
CL1008-2104JQL1T-1	100 @ 50 MHz	5%	60 @ 350 MHz	0.18	1000
CL1008-2124JQL1T-1	120 @ 50 MHz	5%	60 @ 350 MHz	0.63	950
CL1008-2224JQL1T-1	220 @ 50 MHz	5%	45 @ 100 MHz	0.84	700
CL1008-2474JQL1T-1	470 @ 50 MHz	5%	45 @ 100 MHz	1.17	470
CL1008-2105JQL1T-1	1000 @ 25 MHz	5%	35 @ 50 MHz	3.30	370
CL1008-2475JQL1T-1	4700 @ 7.9 MHz	5%	20 @ 25 MHz	4.00	260
CL1008-2106JQL1T-1	10000 @ 2.5 MHz	5%	20 @ 7.9 MHz	12.00	140

Offering all inductances 12nH - 10uH. Please reach out to Knowles Representatives for more details.

PART NUMBER BREAKDOWN