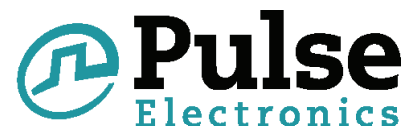


Super Frequency Ceramic RF Chip Inductors - 0402CH Series



- Monolithic inorganic material construction
- Very High Q Values
- High Self Resonant Frequency
- Industry Standard 0402 (1005) Surface Mount Land Pattern

Electrical Specifications @ 25°

Part Number	Inductance (nH)	Standard Tolerance	Test Frequency (MHz)	Q min.	Q (Typ.) Frequency (MHz)					I _{dc} (mA MAX)	R _{dc} (Ω MAX)	SRF (MHz MIN)
					300	800	900	1500	1800			
PE-0402CH1N0STT	1.0	±0.3nH	100	8	53	129	147	217	244	710	0.07	10000
PE-0402CH1N2STT	1.2	±0.3nH	100	8	45	97	110	156	177	710	0.07	10000
PE-0402CH1N5STT	1.5	±0.3nH	100	8	35	69	76	104	116	710	0.07	8000
PE-0402CH1N8STT	1.8	±0.3nH	100	8	32	61	66	92	100	710	0.07	6000
PE-0402CH2N0STT	2.0	±0.3nH	100	8	38	68	73	94	103	660	0.08	6000
PE-0402CH2N2STT	2.2	±0.3nH	100	8	37	67	71	92	101	660	0.08	6000
PE-0402CH2N4STT	2.4	±0.3nH	100	8	34	54	59	74	86	630	0.09	6000
PE-0402CH2N7STT	2.7	±0.3nH	100	8	30	49	52	67	73	630	0.09	6000
PE-0402CH3N0STT	3.0	±0.3nH	100	8	31	51	54	70	76	570	0.11	6000
PE-0402CH3N3STT	3.3	±0.3nH	100	8	32	54	57	72	79	540	0.12	6000
PE-0402CH3N6STT	3.6	±0.3nH	100	8	33	53	56	71	77	500	0.14	5000
PE-0402CH3N9STT	3.9	±0.3nH	100	8	34	53	56	70	76	490	0.15	4000
PE-0402CH4N2STT	4.3	±0.3nH	100	8	29	47	50	64	71	470	0.16	4000
PE-0402CH4N7STT	4.7	±0.3nH	100	8	30	48	51	65	72	450	0.17	4000
PE-0402CH5N1STT	5.1	±0.3nH	100	8	30	48	51	64	71	430	0.19	4000
PE-0402CH5N6STT	5.6	±0.3nH	100	8	30	48	51	65	71	420	0.2	4000
PE-0402CH6N2STT	6.2	±0.3nH	100	8	31	49	52	66	72	400	0.22	3900
PE-0402CH6N8JTT	6.8	±5%	100	8	28	44	49	59	64	390	0.23	3900
PE-0402CH7N5JTT	7.5	±5%	100	8	28	45	50	60	65	370	0.25	3700
PE-0402CH8N2JTT	8.2	±5%	100	8	29	46	50	62	66	360	0.27	3600
PE-0402CH8N2JTT	9.1	±5%	100	8	29	45	49	59	62	350	0.29	3400
PE-0402CH100JTT	10	±5%	100	8	28	45	48	57	60	330	0.31	3200
PE-0402CH120JTT	12	±5%	100	8	26	40	45	51	52	300	0.39	2700
PE-0402CH150JTT	15	±5%	100	8	25	38	42	49	51	280	0.45	2300

Notes:

- Inductance measured using a HP4286A RF Impedance Analyzer. (Please note that inductance information is not stamped on part, because of the extremely small size).
- Q measured using a HP4291A RF Impedance Analyzer with a HP16193A Test Fixture.
- SRF measured using a HP8753C Network Analyzer.
- RDC measured using a Valhalla Scientific model 4100 ATC Digital Ohm meter.
- Based on a 15° C maximum temperature rise.

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

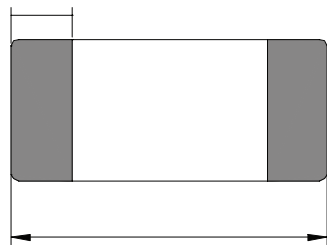
Super Frequency Ceramic RF Chip Inductors - 0402CH Series



Mechanicals

0402CH Series

$$\frac{0.0068 \pm 0.0029}{0.175 \pm 0.075}$$



$$\frac{0.040 \pm 0.004}{1.0 \pm 0.05}$$

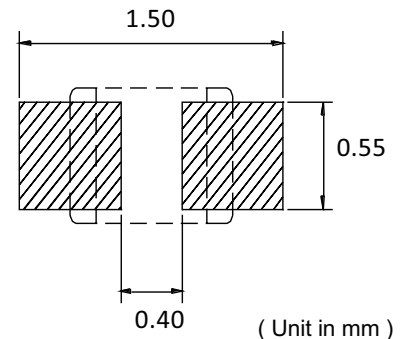


$$\frac{0.0236 \pm 0.004}{0.60 \pm 0.10}$$

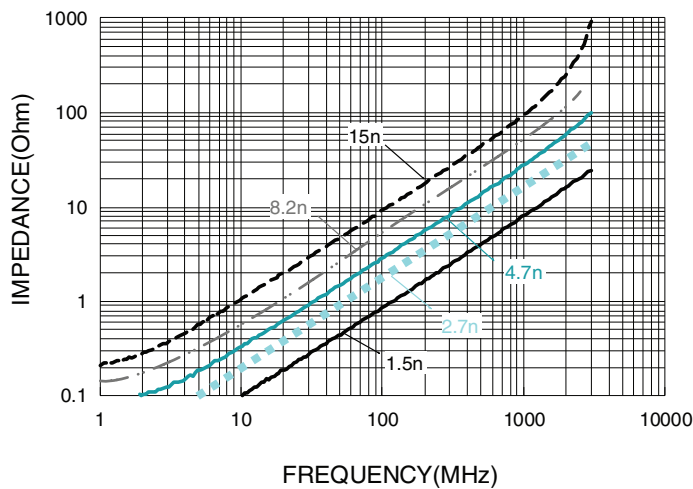
$$\frac{0.020 \pm 0.004}{0.50 \pm 0.05}$$

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

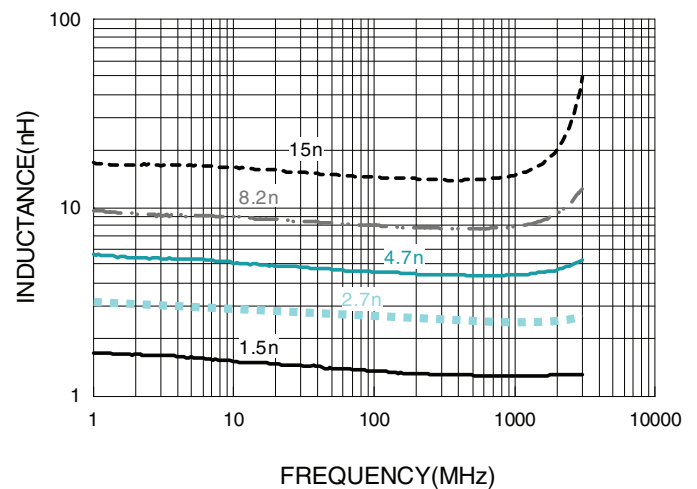
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$



Impedance v.s. Frequency Characteristics

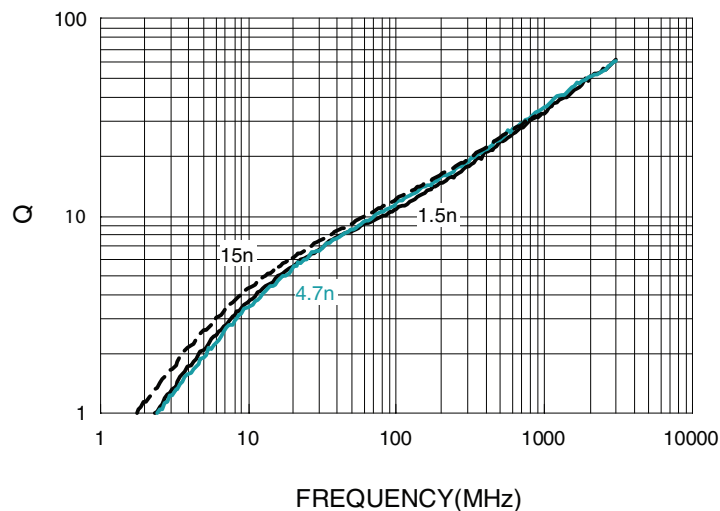


Inductance v.s. Frequency Characteristics



Super Frequency Ceramic RF Chip Inductors - 0402CH Series

Q v.s. Frequency Characteristics



For More Information

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia

135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia

3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

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