

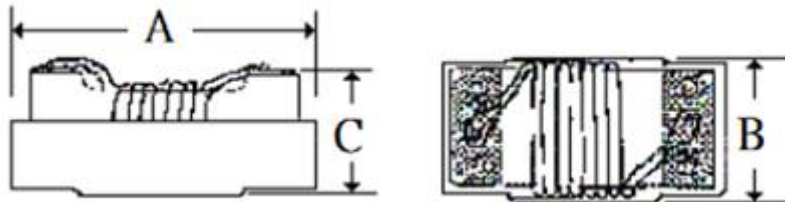
WHI1005C-Series-Z3 Specification

SMD Wire Wound Chip Inductor

APPLICATION

Smart phones, tablet terminals, tuners, LCD-TVs, PDP-TVs, audio equipment, computers, signal processing for modules etc.

1. Shapes and Dimensions



Unit: mm

Type	A	B	C
WHI1005C	1.19 Max.	0.70 Max.	0.66 Max.

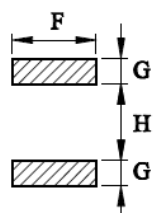
2. Ordering / Part Number Information

WHI 1005 C - 1N0 J - Z3
 (1) (2) (3) (4) (5) (6)

- (1) Product Group
- (2) Dimension Code
- (3) Type Code
- (4) Inductance Code
- (5) Inductance Tolerance
- (6) Control Code

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

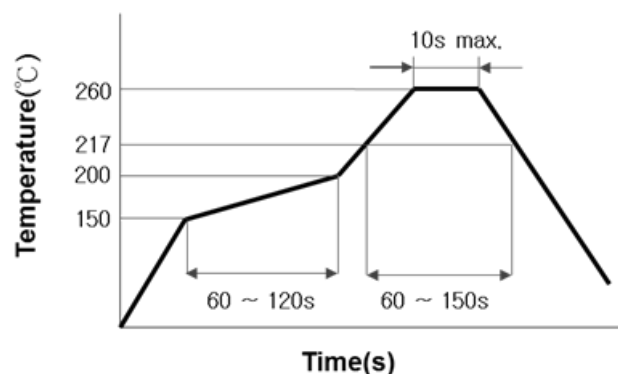


Unit : mm

Symbol	Dimension
F	0.66
G	0.36
H	0.46

The Recommended Land pattern is for reference only.
 Please consult your manufacturing partners to ensure your company's PCB design guidelines are met

3-2. Recommended Soldering Profile



4. Electrical Characteristics

4-1. Electrical Specification

Part Number	Inductance (L) @250MHz	Q @250MHz Min.	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Max.	Self-Resonant Frequency (SRF) Min.
WHI1005C-1N0J-Z3	1.0nH±5%	10	0.045Ω	740mA	12900MHz
WHI1005C-1N2J-Z3	1.2nH±5%	8	0.150Ω	100mA	12900MHz
WHI1005C-1N3J-Z3	1.3nH±5%	8	0.150Ω	100mA	12900MHz
WHI1005C-1N5J-Z3	1.5nH±5%	8	0.150Ω	100mA	12900MHz
WHI1005C-1N8J-Z3	1.8nH±5%	20	0.070Ω	1040mA	12000MHz
WHI1005C-1N9J-Z3	1.9nH±5%	20	0.070Ω	1040mA	11300MHz
WHI1005C-2N0J-Z3	2.0nH±5%	23	0.090Ω	1040mA	11100MHz
WHI1005C-2N2J-Z3	2.2nH±5%	22	0.090Ω	960mA	10800MHz
WHI1005C-2N4J-Z3	2.4nH±5%	22	0.090Ω	790mA	10500MHz
WHI1005C-2N7J-Z3	2.7nH±5%	12	0.170Ω	200mA	10400MHz
WHI1005C-3N0J-Z3	3.0nH±5%	24	0.076Ω	840mA	7000MHz
WHI1005C-3N3J-Z3	3.3nH±5%	24	0.076Ω	840mA	7000MHz
WHI1005C-3N6J-Z3	3.6nH±5%	24	0.076Ω	840mA	6800MHz
WHI1005C-3N9J-Z3	3.9nH±5%	24	0.076Ω	840mA	6000MHz
WHI1005C-4N1J-Z3	4.1nH±5%	22	0.091Ω	700mA	6000MHz
WHI1005C-4N3J-Z3	4.3nH±5%	22	0.091Ω	700mA	6000MHz
WHI1005C-4N7J-Z3	4.7nH±5%	20	0.130Ω	640mA	4770MHz
WHI1005C-5N1J-Z3	5.1nH±5%	23	0.110Ω	800mA	4800MHz
WHI1005C-5N6J-Z3	5.6nH±5%	25	0.110Ω	760mA	4800MHz
WHI1005C-5N8J-Z3	5.8nH±5%	25	0.110Ω	760mA	4800MHz
WHI1005C-6N2J-Z3	6.2nH±5%	25	0.110Ω	760mA	4800MHz
WHI1005C-6N8J-Z3	6.8nH±5%	24	0.120Ω	680mA	4800MHz
WHI1005C-7N2J-Z3	7.2nH±5%	25	0.120Ω	680mA	4800MHz
WHI1005C-7N3J-Z3	7.3nH±5%	25	0.120Ω	680mA	4800MHz
WHI1005C-7N5J-Z3	7.5nH±5%	25	0.150Ω	680mA	4800MHz
WHI1005C-8N2J-Z3	8.2nH±5%	25	0.150Ω	680mA	4400MHz
WHI1005C-8N7J-Z3	8.7nH±5%	25	0.200Ω	480mA	4100MHz
WHI1005C-9N0J-Z3	9.0nH±5%	25	0.150Ω	680mA	4160MHz
WHI1005C-9N1J-Z3	9.1nH±5%	25	0.150Ω	680mA	4160MHz
WHI1005C-9N5J-Z3	9.5nH±5%	24	0.200Ω	480mA	4000MHz
WHI1005C-10NJ-Z3	10.0nH±5%	24	0.200Ω	480mA	3900MHz
WHI1005C-11NJ-Z3	11.0nH±5%	26	0.120Ω	640mA	3680MHz
WHI1005C-12NJ-Z3	12.0nH±5%	26	0.120Ω	640mA	3600MHz
WHI1005C-13NJ-Z3	13.0nH±5%	24	0.210Ω	440mA	3450MHz

The specifications are subject to change or our products in it may be discontinued without advance notice.
Please check with our sales representatives or product engineers before ordering.

Part Number	Inductance (L) @250MHz	Q @250MHz Min.	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Max.	Self-Resonant Frequency (SRF) Min.
WHI1005C-15NJ-Z3	15.0nH±5%	26	0.170Ω	560mA	3280MHz
WHI1005C-16NJ-Z3	16.0nH±5%	25	0.250Ω	560mA	3100MHz
WHI1005C-18NJ-Z3	18.0nH±5%	25	0.230Ω	420mA	3100MHz
WHI1005C-19NJ-Z3	19.0nH±5%	26	0.240Ω	480mA	3040MHz
WHI1005C-20NJ-Z3	20.0nH±5%	26	0.250Ω	420mA	3000MHz
WHI1005C-22NJ-Z3	22.0nH±5%	25	0.300Ω	400mA	2800MHz
WHI1005C-23NJ-Z3	23.0nH±5%	25	0.300Ω	400mA	2720MHz
WHI1005C-24NJ-Z3	24.0nH±5%	25	0.350Ω	400mA	2700MHz
WHI1005C-27NJ-Z3	27.0nH±5%	25	0.300Ω	400mA	2480MHz
WHI1005C-30NJ-Z3	30.0nH±5%	25	0.400Ω	400mA	2350MHz
WHI1005C-33NJ-Z3	33.0nH±5%	24	0.400Ω	400mA	2350MHz
WHI1005C-36NJ-Z3	36.0nH±5%	25	0.500Ω	320mA	2320MHz
WHI1005C-39NJ-Z3	39.0nH±5%	25	0.550Ω	200mA	2100MHz
WHI1005C-40NJ-Z3	40.0nH±5%	24	0.650Ω	320mA	2240MHz
WHI1005C-43NJ-Z3	43.0nH±5%	25	0.810Ω	100mA	2030MHz
WHI1005C-47NJ-Z3	47.0nH±5%	25	0.830Ω	150mA	2100MHz
WHI1005C-51NJ-Z3	51.0nH±5%	25	0.920Ω	100mA	1750MHz
WHI1005C-56NJ-Z3	56.0nH±5%	25	0.970Ω	100mA	1760MHz
WHI1005C-62NJ-Z3	62.0nH±5%	25	1.400Ω	100mA	1620MHz
WHI1005C-68NJ-Z3	68.0nH±5%	25	1.500Ω	100mA	1620MHz
WHI1005C-72NJ-Z3	72.0nH±5%	25	1.700Ω	50mA	1260MHz
WHI1005C-75NJ-Z3	75.0nH±5%	25	1.750Ω	50mA	1260MHz
WHI1005C-77NJ-Z3	77.0nH±5%	25	1.750Ω	50mA	1260MHz
WHI1005C-82NJ-Z3	82.0nH±5%	25	1.800Ω	50mA	1260MHz
WHI1005C-91NJ-Z3	91.0nH±5%	24	2.200Ω	30mA	1160MHz
WHI1005C-R10J-Z3	100.0nH±5%	24	2.500Ω	30mA	1160MHz
WHI1005C-R11J-Z3	110.0nH±5%	24	2.600Ω	30mA	1150MHz
WHI1005C-R12J-Z3	120.0nH±5%	24	2.200Ω	30mA	1100MHz

Note1. Rated current for 40°C rise above 25°C ambient.

4-2. Operating Temperature Range

-40°C to +85°C (Including self - temperature rise)

4-3. Storage Temperature Range

Store this product under the condition of 5°C to 40°C, 20% to 70%RH and use within 6 months

5. Packaging Information

Standard Quantity for Packaging: 10,000 pcs/Reel

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Note

1. Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)

Reference