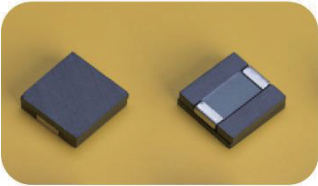


REACH & RoHS
COMPLIANT

- 1 Features
- ☆ High saturation characteristic core for large saturation current and low loss
 - ☆ High precision DCR
 - ☆ Closed magnetic circuit design reduces leakage flux
 - ☆ Halogen free, RoHS compliant

- Application
- ☆ Data center, Server, desktop computer, notebook
 - ☆ Graphics, memory
 - ☆ Industrial equipment, telecom base station



Part number	Initial Inductance (nH)	Tolerance (±%)	DCR (mΩ)	1-Saturation Current@ 25°C (Amps)(typ)	2-Saturation Current@ 100°C (Amps)(typ)	Heating Current (Amps)(typ)
WHPBU-100705N-R072L0	72	15	0.325 ± 7%	80	70	31
WHPBU-100705N-R10L0	100	15	0.325 ± 7%	70	60	31
WHPBU-100705N-R12L0	120	15	0.325 ± 7%	65	50	31
WHPBU-100705N-R15L0	150	15	0.325 ± 7%	45	35	31
WHPBU-100705N-R20L0	200	15	0.325 ± 7%	33	25	31
WHPBU-100705N-R22L0	220	15	0.325 ± 7%	30	24	31
WHPBU-100705N-R30L0	300	15	0.325 ± 7%	19	12	31

Notes:

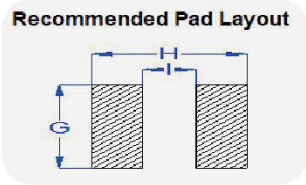
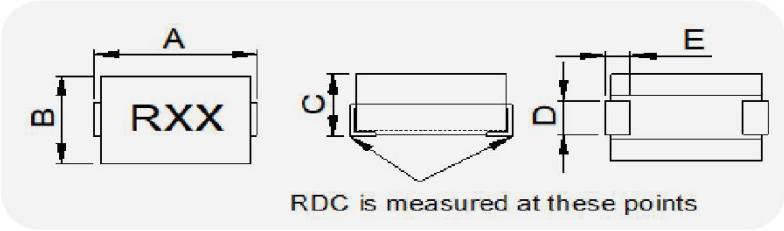
Initial Inductance : Testing at 100KHz/1.0V

Saturation Current : DC current that will cause initial Inductance to drop approximately 20%.

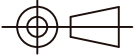
Heating Current : DC current that will cause an approximate ΔT of 40 °C.

Note : All test data is referenced to 25 °C ambient.

2 Dimensions (mm)& recommend layout

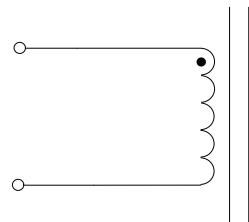


P/N	A	B	C	D	E	G	I	H
WHPBU-100705 Series	10.2 Max	7.0 Max	5.0 ± 0.3	2.5 Ref	1.52 Ref	3.05	6.35	10.35

 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd	TITLE: Power Bead inductor		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song	
	PART NO.: WHPBU-100705N Series		SACLE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: Elvis.Song	
	REMARK:Normal Applications Surface Mount Package		SHEET 1/4		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu	

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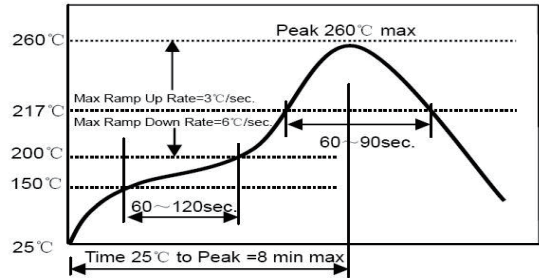
3 Schematics



● — START POINT

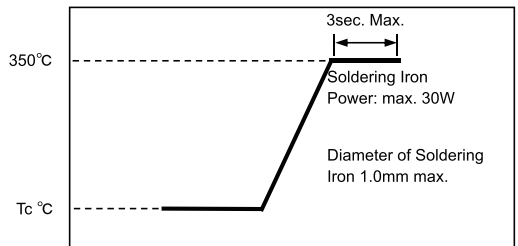
4 Recommended Solder Profile

a. Reflow Profile



Preheat condition: 150 ~200℃/60~120sec.
Allowed time above 217℃: 60~90sec.
Max temp: 260℃
Max time at max temp: 10 sec.
Solder paste: Sn/3.0Ag/0.5Cu
Allowed Reflow time: 2x max

b. Iron Soldering Profile



Iron soldering power: Max. 30W
Pre-heating: 150℃/60sec.
Soldering Tip temperature: 350℃ Max.
Soldering time: 3sec. Max.
Solder paste: Sn/3.0Ag/0.5Cu
Max.1 times for iron soldering

VOOHU 苏州沃虎电子科技有限公司
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WEB: WWW.WOHU-TEK.COM

TITLE: Power Bead inductor	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
PART NO.: WHPBU-100705N Series	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: Elvis.Song
			.x±0.30	.x°±2.0°	
REMARK:Normal Applications Surface Mount Package	SHEET 2/4		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu
			.xxx±0.10	.xxx°±1.0°	

1		2		3		4		5		6		7		8	
REACH & RoHS COMPLIANT		5 Reliability test													

	1	2	3	4	5	6	7	8	
H	REACH & RoHS COMPLIANT		 REMINDERS ☆ The best assembly quality guarantee period of product: 12 months (From shipment date) Storage condition : seal in packaging, (temperature: 5 to 40°C, humidity: 10 to 75% RH or less). ☆ If taking out for use, the remaining products should be sealed in plastic bags and preserved in accordance with the above conditions, to avoid oxidation of electrodes and affect soldering status. ☆ Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.). ☆ Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C. ☆ Always handle products with care to avoid damage. ☆ Do not touch electrodes with bare hands directly, as oil secretions may inhibit soldering. Always ensure optimum conditions for soldering. ☆ Soldering corrections after mounting should be within the range of the conditions determined in the specifications.If overheated, a short circuit, performance deterioration, or lifespan shortening may occur. ☆ Use a wrist band to discharge static electricity in your body through the grounding wire. ☆ Do not expose the products to magnets or magnetic fields. ☆ Do not use for a purpose outside of the contents regulated in the delivery specifications.						H
G									G
F									F
E									E
D									D
C									C
B									B
A	 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd		TITLE: Power Bead inductor		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song
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	TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM		REMARK:Normal Applications Surface Mount Package		SHEET 4/4		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu
	1	2	3	4	5	6	7	8	