

■ Dimensions: (mm)

Part No.	A	B	C	D	E
DJNR 6045-S	6.0 ± 0.2	6.0 ± 0.2	4.5 Max.	1.35 ± 0.2	4.0 ± 0.2

■ Series List

No.	Part No.	L (μ H)	SRF Min. (MHz)	RDC $\pm 20\%$ (Ω)	Isat Max. (mA)	Irms Max. (mA)
1	DJNR6045-1R0-S	1.0	110	0.014	9800	4500
2	DJNR6045-1R3-S	1.3	95	0.016	8200	4200
3	DJNR6045-1R8-S	1.8	80	0.019	7200	3900
4	DJNR6045-2R3-S	2.3	60	0.022	6400	3600
5	DJNR6045-3R0-S	3.0	45	0.024	5600	3300
6	DJNR6045-4R5-S	4.5	25	0.030	4400	3100
7	DJNR6045-6R3-S	6.3	15	0.036	3600	3000
8	DJNR6045-100-S	10	12	0.046	3100	2400
9	DJNR6045-150-S	15	10	0.070	2500	1900
10	DJNR6045-220-S	22	7	0.107	2000	1600
11	DJNR6045-330-S	33	6	0.141	1650	1400
12	DJNR6045-470-S	47	5	0.211	1400	1150
13	DJNR6045-680-S	68	4	0.304	1100	950
14	DJNR6045-101-S	100	3	0.466	900	750

1. Test Frequency : 100KHz

2. Tolerance : N \pm 30% ; M \pm 20%

3. Isat : The value of current causes a 30% inductance reduction from initial value.

4. Irms : The value of current causes a 40°C temperature rise.

5. Rated Current: Either Isat or Irms whichever is smaller.

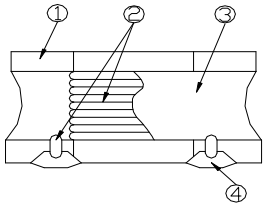
6. Operating Temperature Range : -25°C to +125°C (Including self-temperature rise)

7. Storage Temp. Range: -40°C to +85°C

□ PACKAGE

Type	DJNR 6045-S
Q'TY/Reel	1500

■ Structural Drawing

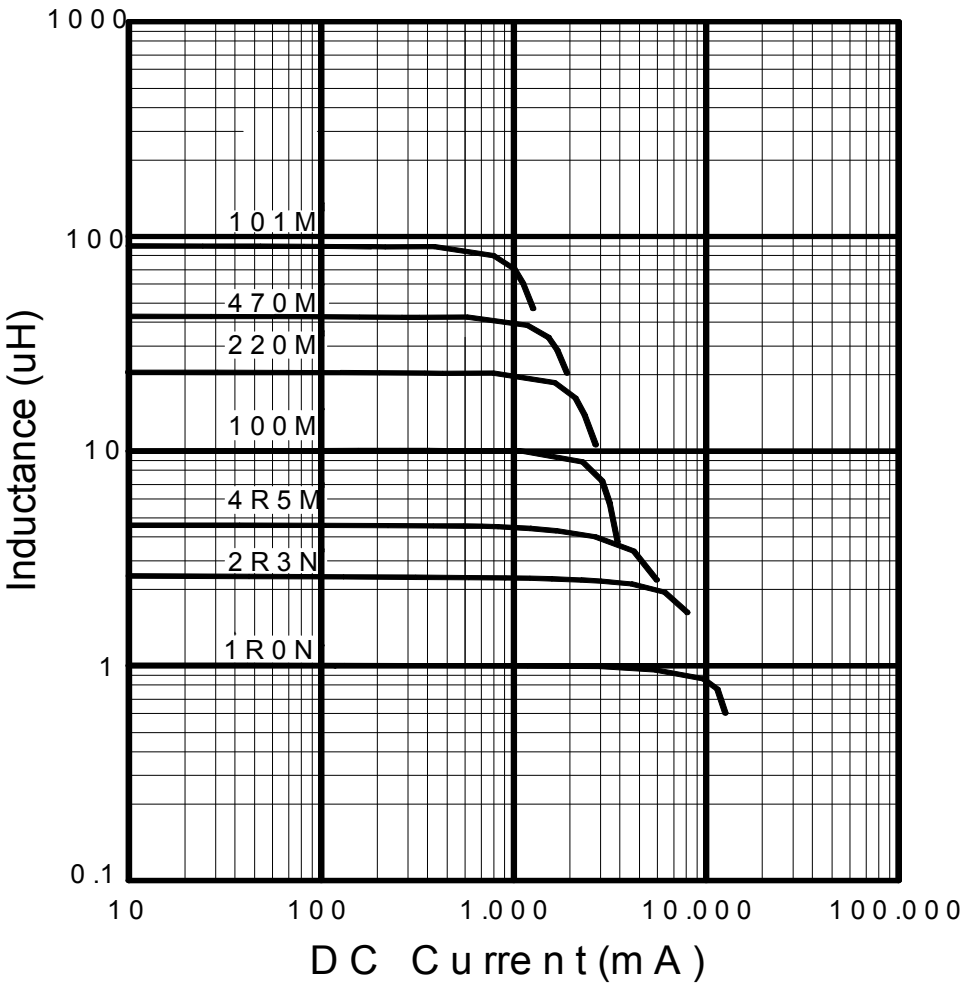


(Magnetic Shielded Type)

- | | | |
|--------------------------|---|----------|
| ϵ Ferrite core. | Ni-Zn ferrite | |
| $\&$ Winding wire | Polyurethane-copper wire | |
| ● Over-coating resin. | Epoxy resin, containing ferrite powder | |
| ○ Electrode | External electrode (substrate) | Ag |
| | External electrode (base plating) | Ni-Sn |
| | External electrode (top surface solder coating) | Sn-Ag-Cu |

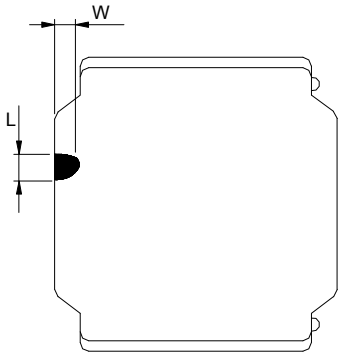
■ Electrical Curve

Inductance vs. DC Current



■ Core Chipping

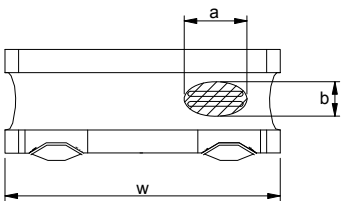
The appearance standard of the chipping size in top side, of bottom side ferrite Core is following dimension



L	W
1.5mmMax.	1.5mmMax.

■ Exposed wire tolerance limit of coating resin part on product side

Size of exposed wire occurring to coating resin is specified below.



- ☞ Width direction (dimension a): Acceptable when $a \leq w/2$
Nonconforming when $a > w/2$
- ☞ Length direction (dimension b): Dimension b is not specified.
- When total area of exposed wire occurring to each sides is not greater than 50% of coating resin area, that is acceptable.