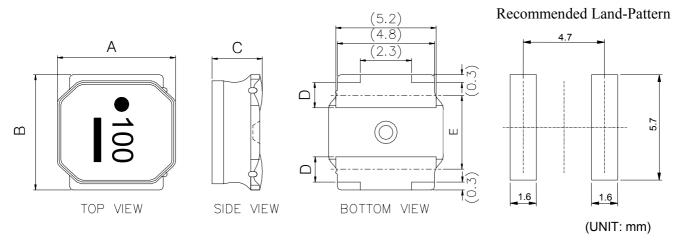


SMD Power Coil



■ Dimensions: (mm)

Part No.	Α	В	С	D	E
DJNR 6028	6.0 ± 0.2	6.0 ± 0.2	2.8 Max.	1.35 ± 0.2	4.0 ± 0.2

Series List

		L	SRF	RDC	Isat	Irms
No.	Part No.		Min.	±30%	Max.	Max.
		(μ H)	(MHz)	(Ω)	(mA)	(mA)
1	DJNR6028-0R9-S	0.9	90	0.013	6700	4600
2	DJNR6028-1R5-S	1.5	78	0.016	5100	4200
3	DJNR6028-2R2-S	2.2	68	0.020	4200	3700
4	DJNR6028-3R0-S	3.0	55	0.023	3600	3400
5	DJNR6028-4R7-S	4.7	39	0.031	2700	3000
6	DJNR6028-6R0-S	6.0	30	0.040	2500	2500
7	DJNR6028-100-S	10	20	0.065	1900	1900
8	DJNR6028-150-S	15	17	0.095	1600	1800
9	DJNR6028-220-S	22	12	0.135	1300	1400
10	DJNR6028-330-S	33	10	0.220	1100	1100
11	DJNR6028-470-S	47	8	0.300	1000	920
12	DJNR6028-680-S	68	5	0.420	800	770
13	DJNR6028-101-S	100	3	0.600	650	660

1.Test Frequency: 100KHz

2.Tolerance : N ± 30% ; M ± 20%

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

4.lrms : The value of current causes a 40 $^{\circ}\mathrm{C}$ temperature rise.

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

6.Operating Temperature Range : -25 $^{\circ}\mathbb{C}$ to +125 $^{\circ}\mathbb{C}$ (Including self-temperature rise)

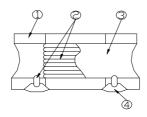
7.Storage Temp. Range: -40°C to +85°C

□ PACKAGE

Type	DJNR 6028
Q'TY/Reel	2000



■ Structural Drawing



(Magnetic Shielded Type)

er Ferrite core. Ni-Zn ferrite

&Winding wire Polyurethane-copper wire

 Over-coating resin. Epoxy resin, containing ferrite powder

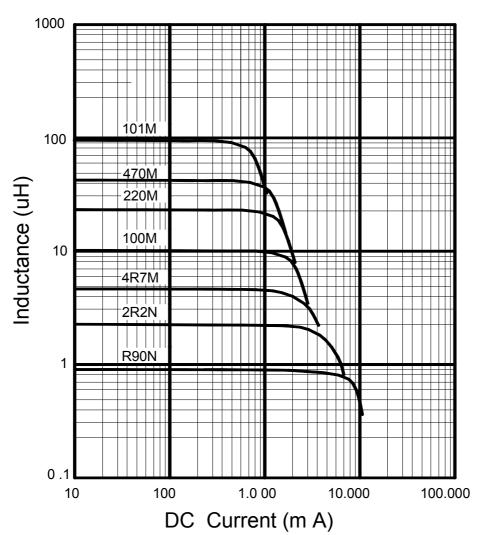
O Electrode External electrode (substrate)

Ag Ni-Sn External electrode (base plating) Sn-Ag-Cu

External electrode (top surface solder coating)

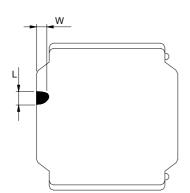
Electrical Curve

Inductance vs. DC Current



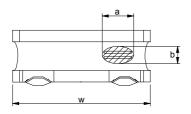
■ Core Chipping

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.



e→Width direction (dimension a): Acceptable when a<=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.