AUTOMOTIVE INDUCTORS

Rod Inductor Series

Features

- Low cost solution
- Good saturation current
- Custom designs available

Application

- Inductors for Automotive

Electrical Specifications @25℃

Ordering Code	Fig.	Inductance @1kHz (μH)	D.C.R. (Ω Max.)	Saturation Current (A)[2]	Temperature Rise Current (A)[3]
RH4-0003	1	4.0±20%	0.035	2.20	3.90
RH3-0001	2	4.0±20%	0.020	3.50	5.20
RH4-0001	3	4.2±20%	0.010	7.50	7.30
RH4-0002	3	4.5±20%	0.011	6.10	7.00
RH3-0002	3	7.0±20%	0.050	5.00	3.10
RHB6-0001	4	0.5 Min.	0.002	23.00	16.00
SR03-0001	5	1.1±20%	0.005	15.00	10.50
SR05-0001	5	1.7±20%	0.003	23.00	13.50
SR05-0002	5	8.3±20%	0.013	10.40	6.50
SR10-0001	5	8.9±20%	0.008	20.00	8.30
SR04-0001	6	2.2±20%	0.007	16.00	9.20
SR06-0001	7	2.4±20%	0.004	21.00	11.70
SR04-0002	8	3.4±20%	0.010	14.50	7.30

1. Operating Temperature: -40℃~+120℃(Includes temperature when the coil is heated)
2. Saturation Current: DC current which causes the inductance to drop 30% from the nominal value
3. Temperature Rise Current: DC current which causes the coil temperature rise 40℃(Ta=20℃)

Mechanical

Fig. 1

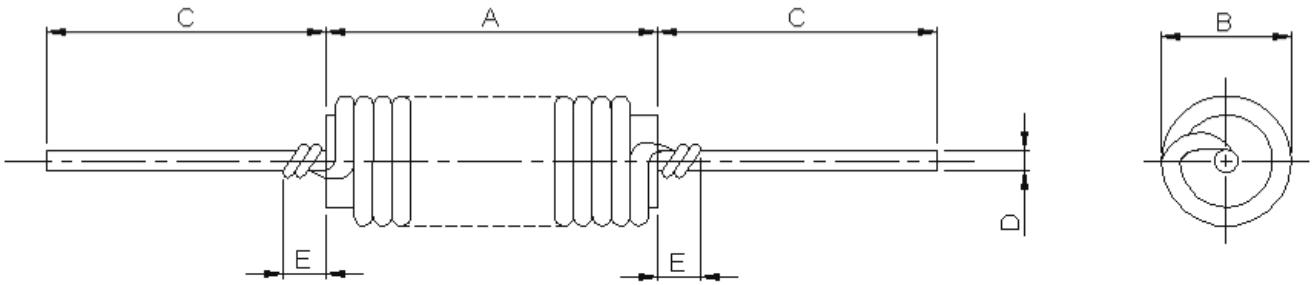


Fig. 2

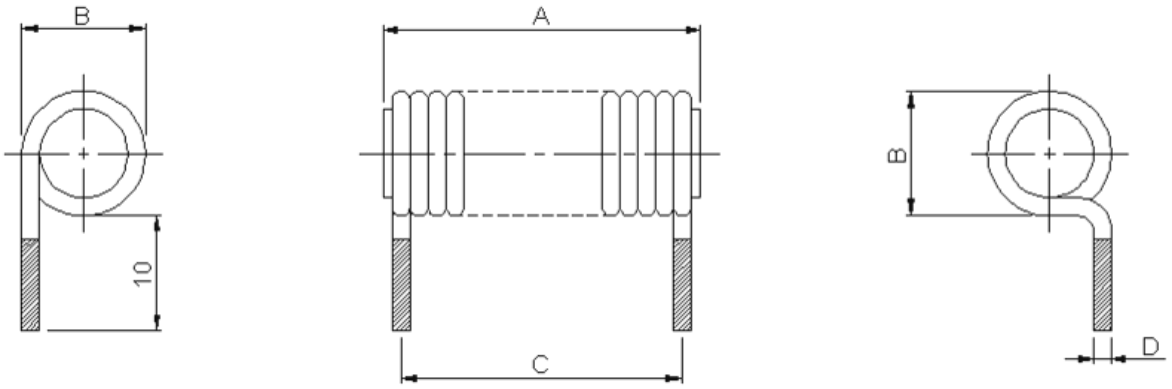


Fig. 3

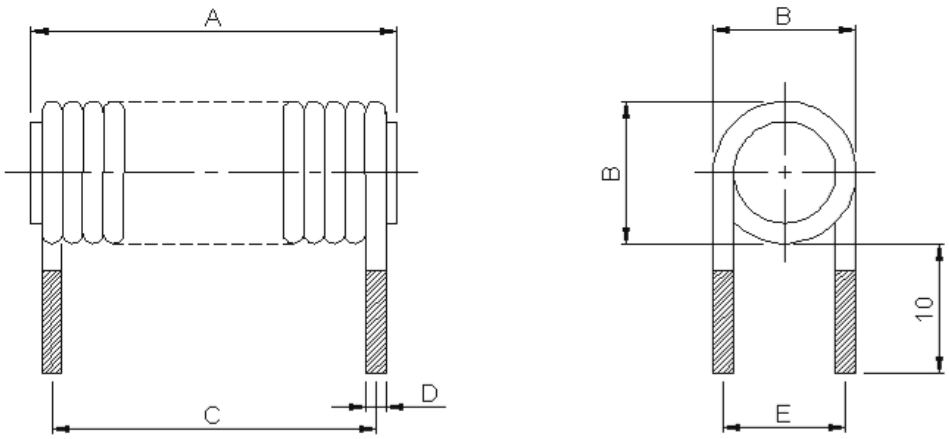


Fig. 4

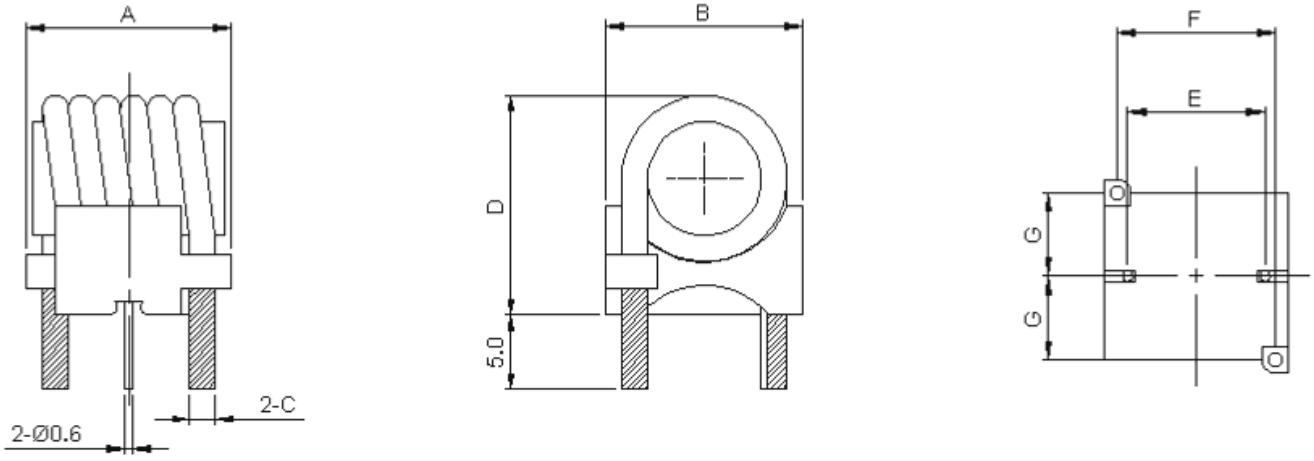


Fig. 5

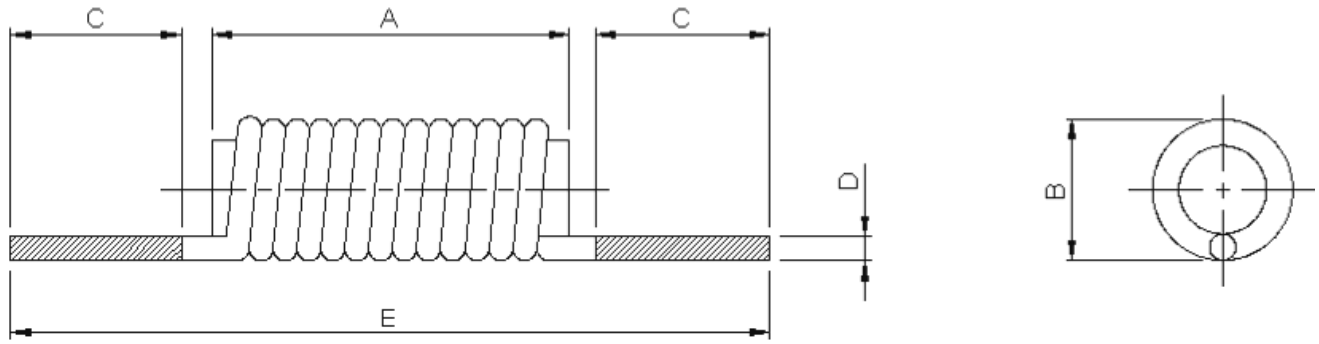


Fig. 6

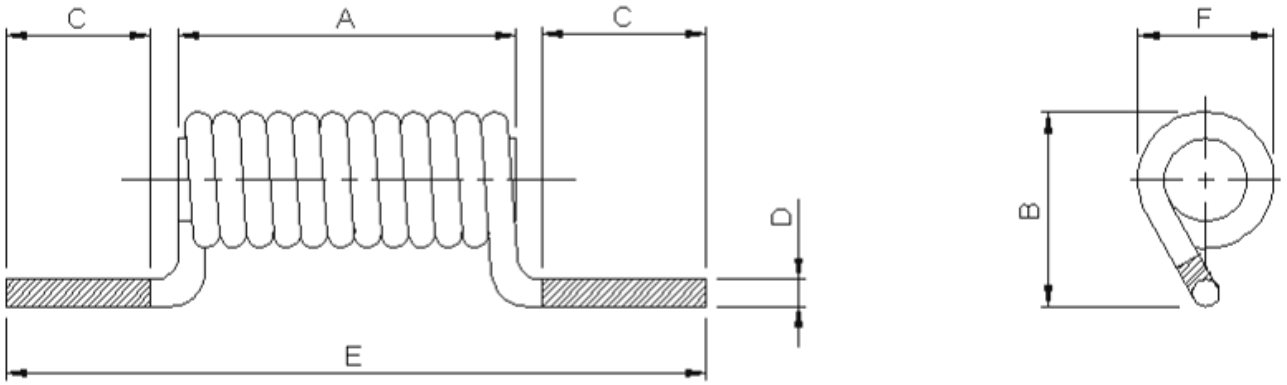


Fig. 7

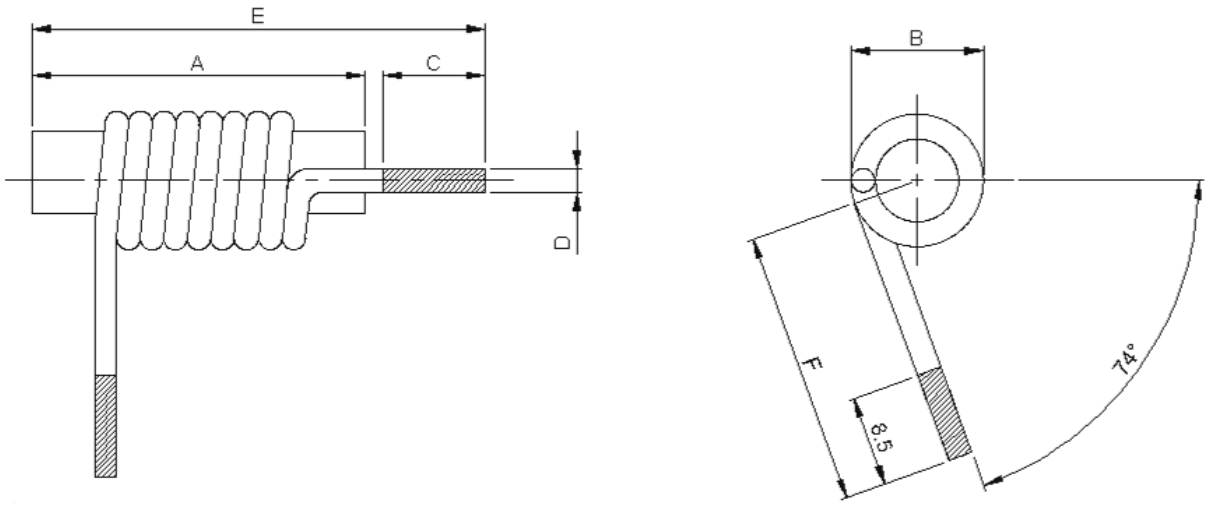
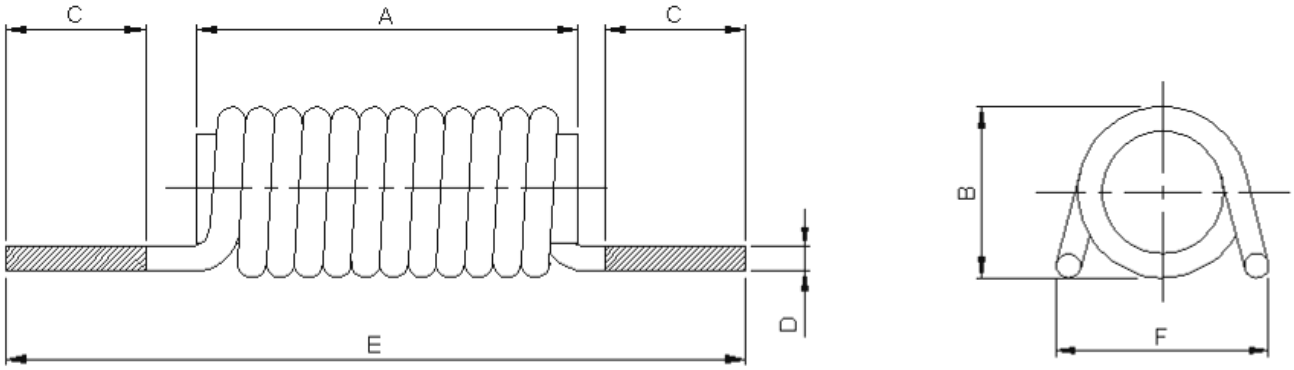


Fig. 8



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Rod Inductor Series

Dimensions (mm)

Ordering Code	Fig.	A (Max.)	B (Max.)	C (Max.)	D (Nom.)	E	F (Nom.)	G (Nom.)
RH4-0003	1	13.0	6.0	20.0	0.70	3.5 Nom.	-	-
RH3-0001	2	16.0	6.0	13.5	0.60	-	-	-
RH4-0001	3	19.0	7.0	16.0	0.90	5.0 Nom.	-	-
RH4-0002	3	19.0	7.0	16.0	0.85	5.0 Nom.	-	-
RH3-0002	3	14.0	5.0	12.0	0.40	3.5 Nom.	-	-
RHB6-0001	4	12.5	11.5	1.5	15.0	7.0 Nom.	8.0	4.5
SR03-0001	5	14.0	5.5	8.0	0.85	38.0 Max.		
SR05-0001	5	22.0	10.5	8.0	1.70	45.0 Max.		
SR05-0002	5	16.0	10.5	4.0	1.00	26.0 Max.	6.5	
SR10-0001	5	21.0	9.5	5.0	1.40	27.0 Max.	42.0	
SR04-0001	6	16.0	6.5	4.0	0.80	34.0 Max.	7.0	
SR06-0001	7	26.0	9.0	5.0	0.90	37.0 Max.		
SR04-0002	8	32.0	16.0	4.0	1.50	87.0 Max.		

Schematic