

SMD Semi-Shielded Power Inductor - SNR252010 Series *Meisongbei*



Features

- 2.5mmx2.0mmx1.05mm Shielded
- Inductance Range: 0.47uH - 22uH
- Current Range: 0.4A - 2.5A
- Small and very Thin inductor

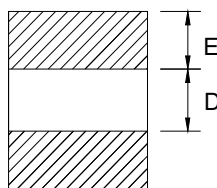
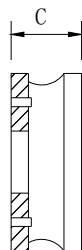
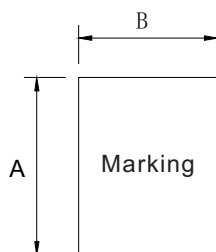
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

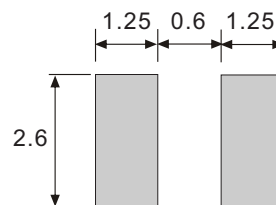
Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A	B	C	D	E
SNR252010	2.5±0.3	2.0±0.35	1.05Max	0.9±0.2	0.83±0.2

► Electrical Characteristics For SNR252010 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR252010-R47N	0.47±30%	44	2.50
SNR252010-R68N	0.68±30%	65	2.45
SNR252010-1R0N	1.0±30%	80	2.05
SNR252010-1R5N	1.5±30%	117	1.70
SNR252010-2R2N	2.2±30%	148	1.55
SNR252010-3R3M	3.3±20%	228	1.10
SNR252010-4R7M	4.7±20%	323	0.95
SNR252010-6R8M	6.8±20%	451	0.80
SNR252010-100M	10±20%	584	0.65
SNR252010-150M	15±20%	954	0.45
SNR252010-220M	22±20%	1548	0.40

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR252012 Series *Meisongbei*



Features

- 2.5mmx2.0mmx1.25mm Shielded
- Inductance Range: 0.24uH - 22uH
- Current Range: 0.5A - 4.05A
- Small and very Thin inductor

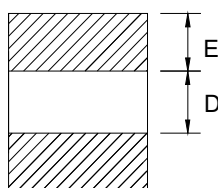
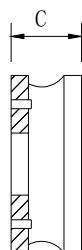
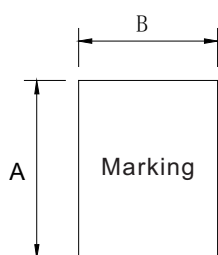
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

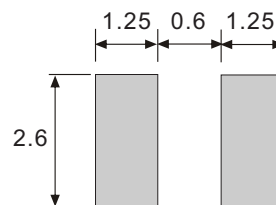
Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A	B	C	D	E
SNR252012	2.5±0.3	2.0±0.35	1.25Max	1.0±0.2	0.8±0.2

Electrical Characteristics For SNR252012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR252012-R24N	0.24±30%	32	4.05
SNR252012-R47N	0.47±30%	42	3.60
SNR252012-R68N	0.68±30%	55	2.70
SNR252012-1R0N	1.0±30%	63.7	2.45
SNR252012-1R5N	1.5±30%	84	2.05
SNR252012-2R2N	2.2±30%	115.2	1.90
SNR252012-3R3M	3.3±20%	156	1.50
SNR252012-4R7M	4.7±20%	228.8	1.35
SNR252012-6R8M	6.8±20%	325	1.00
SNR252012-120M	10±20%	492	0.75
SNR252012-150M	15±20%	648	0.56
SNR252010-220M	22±20%	1020	0.50

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR3010 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 47uH
- Rated current up to 1.4A
- Small and very Thin inductor

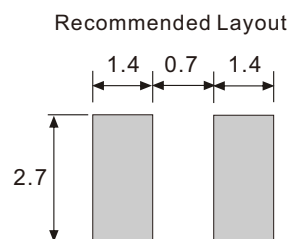
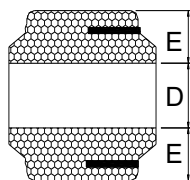
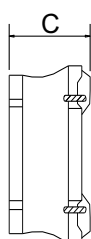
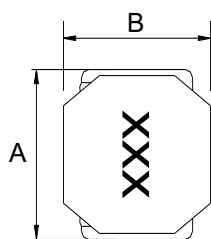
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR3010	3.0±0.2	3.0±0.2	1.2Max	1.2±0.2	0.9±0.2

► Electrical Characteristics For SNR3010 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR3010-1R0N	1.0±30%	85	1.40
SNR3010-1R5N	1.5±30%	104	1.27
SNR3010-2R2N	2.2±30%	143	1.15
SNR3010-3R3M	3.3±20%	189	0.97
SNR3010-4R7M	4.7±20%	293	0.75
SNR3010-6R8M	6.8±20%	397	0.55
SNR3010-100M	10±20%	520	0.55
SNR3010-150M	15±20%	850	0.42
SNR3010-220M	22±20%	1300	0.35
SNR3010-330M	33±20%	2050	0.29
SNR3010-470M	47±20%	2535	0.22

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR3012 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 100uH
- Rated current up to 2.2A
- Small and very Thin inductor

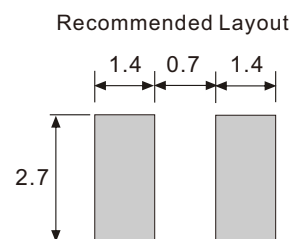
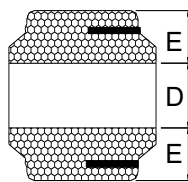
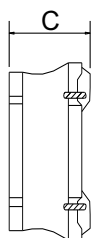
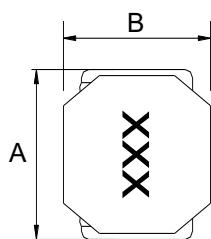
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR3012	3.0±0.2	3.0±0.2	1.3Max	1.2±0.2	0.9±0.2

► Electrical Characteristics For SNR3012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR3012-1R0N	1.0±30%	60	2.20
SNR3012-1R5N	1.5±30%	63	1.62
SNR3012-2R2N	2.2±30%	105	1.20
SNR3012-3R3M	3.3±20%	140	1.05
SNR3012-4R7M	4.7±20%	168	0.90
SNR3012-6R8M	6.8±20%	266	0.75
SNR3012-100M	10±20%	358	0.60
SNR3012-150M	15±20%	486	0.45
SNR3012-220M	22±20%	872	0.42
SNR3012-330M	33±20%	1182	0.36
SNR3012-470M	47±20%	1485	0.27
SNR3012-680M	68±20%	2255	0.24
SNR3012-101M	100±20%	3861	0.21

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR3015 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 47uH
- Rated current up to 2.32A
- Small and very Thin inductor

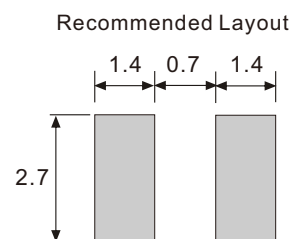
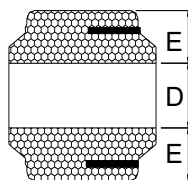
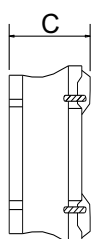
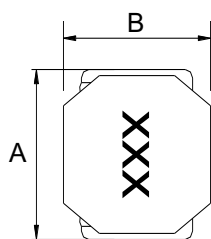
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR3015	3.0±0.2	3.0±0.2	1.7Max	1.2±0.2	0.9±0.2

► Electrical Characteristics For SNR3015 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR3015-1R0N	1.0±30%	48	2.32
SNR3015-1R5N	1.5±30%	65	2.10
SNR3015-2R2N	2.2±30%	78	1.60
SNR3015-3R3M	3.3±20%	104	1.30
SNR3015-4R7M	4.7±20%	160	1.10
SNR3015-6R8M	6.8±20%	234	0.85
SNR3015-100M	10±20%	338	0.70
SNR3015-150M	15±20%	439	0.60
SNR3015-220M	22±20%	600	0.52
SNR3015-330M	33±20%	1066	0.44
SNR3015-470M	47±20%	1600	0.35

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR4010 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 47uH
- Rated current up to 2.2A
- Small and very Thin inductor

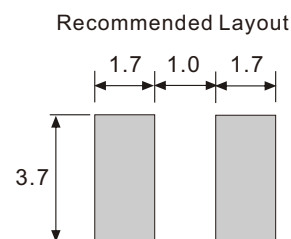
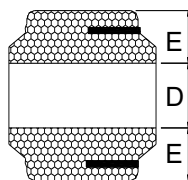
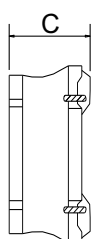
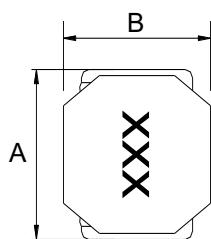
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4010	4.0±0.2	4.0±0.2	1.2Max	1.4±0.2	1.3±0.2

Electrical Characteristics For SNR4010 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR4010-1R0N	1.0±30%	92	2.20
SNR4010-2R2N	2.2±30%	152	1.60
SNR4010-3R3M	3.3±20%	206	1.40
SNR4010-4R7M	4.7±20%	286	1.10
SNR4010-6R8M	6.8±20%	378	1.00
SNR4010-8R2M	6.8±20%	436	0.85
SNR4010-100M	10±20%	480	0.80
SNR4010-220M	22±20%	1430	0.50
SNR4010-470M	47±20%	2389	0.23

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR4012 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 68uH
- Rated current up to 2.61A
- Small and very Thin inductor

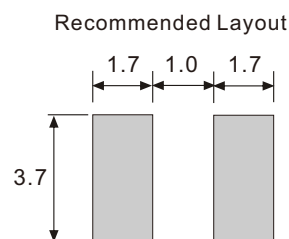
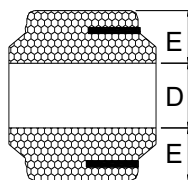
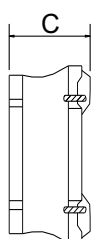
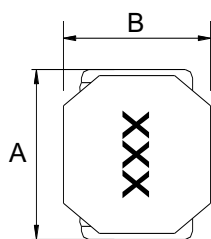
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4012	4.0±0.2	4.0±0.2	1.35Max	1.4±0.2	1.3±0.2

► Electrical Characteristics For SNR4012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR4012-1R0N	1.0±30%	65	2.61
SNR4012-1R5N	1.5±30%	85	2.10
SNR4012-2R2N	2.2±30%	104	1.76
SNR4012-3R3M	3.3±20%	147	1.25
SNR4012-4R7M	4.7±20%	163	1.15
SNR4012-6R8M	6.8±20%	260	0.95
SNR4012-100M	10±20%	345	0.80
SNR4012-150M	15±20%	442	0.56
SNR4012-220M	22±20%	611	0.54
SNR4012-330M	33±20%	1053	0.42
SNR4012-470M	47±20%	1430	0.35
SNR4012-680M	68±20%	1950	0.30

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR4018 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 220uH
- Rated current up to 4.5A
- Small and very Thin inductor

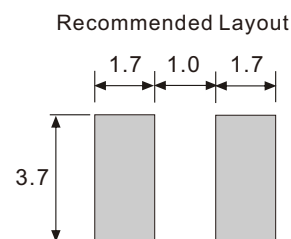
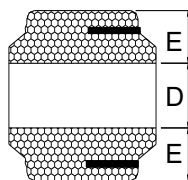
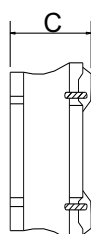
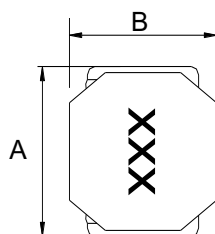
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4018	4.0±0.2	4.0±0.2	1.8Max	1.4±0.2	1.3±0.2

► Electrical Characteristics For SNR4018 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat(max) [A]
SNR4018-1R0N	1.0±30%	33	4.50
SNR4018-1R2N	1.2±30%	48	3.50
SNR4018-2R2N	2.2±30%	59	2.70
SNR4018-3R3M	3.3±20%	84	2.15
SNR4018-4R7M	4.7±20%	117	2.00
SNR4018-5R6M	5.6±20%	130	1.65
SNR4018-6R8M	6.8±20%	143	1.60
SNR4018-100M	10±20%	234	1.30
SNR4018-150M	15±20%	325	0.95
SNR4018-220M	22±20%	468	0.80
SNR4018-330M	33±20%	689	0.65
SNR4018-470M	47±20%	845	0.57
SNR4018-680M	68±20%	1300	0.46
SNR4018-101M	100±20%	1950	0.41
SNR4018-151M	150±20%	3120	0.32
SNR4018-221M	220±20%	4800	0.28

SMD Semi-Shielded Power Inductor - SNR4020 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 82uH
- Rated current up to 4.78A
- Small and very Thin inductor

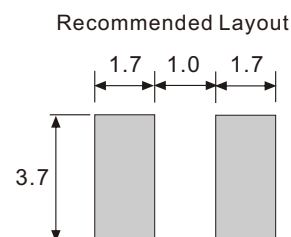
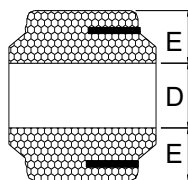
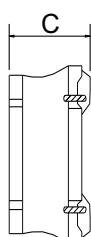
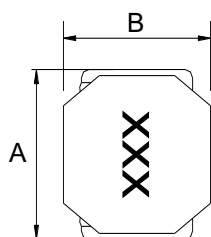
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4020	4.0±0.2	4.0±0.2	2.1Max	1.4±0.2	1.3±0.2

► Electrical Characteristics For SNR4020 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR4020-1R0N	1.0±30%	41.88	4.78
SNR4020-1R5N	1.5±30%	50.6	4.45
SNR4020-2R2N	2.2±30%	54.6	3.40
SNR4020-3R3M	3.3±20%	95.8	3.20
SNR4020-4R7M	4.7±20%	102.9	2.35
SNR4020-6R8M	6.8±20%	171.2	2.15
SNR4020-100M	10±20%	225	1.60
SNR4020-150M	15±20%	314	1.35
SNR4020-220M	22±20%	477	1.05
SNR4020-330M	33±20%	750	0.85
SNR4020-470M	47±20%	969	0.74
SNR4020-680M	68±20%	1449	0.61
SNR4020-820M	82±20%	1596	0.50

SMD Semi-Shielded Power Inductor - SNR4026 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 68uH
- Rated current up to 3.3A
- Small and very Thin inductor

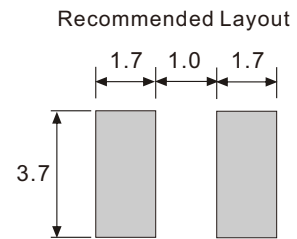
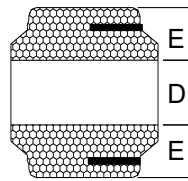
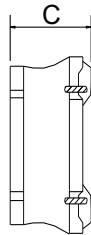
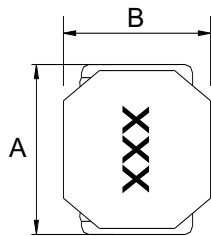
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4026	4.0±0.2	4.0±0.2	2.8Max	1.4±0.2	1.3±0.2

► Electrical Characteristics For SNR4026 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR4026-1R0N	1.0±30%	45	3.30
SNR4026-2R2N	2.2±30%	60	2.90
SNR4026-3R3M	3.3±20%	88	2.50
SNR4026-4R7M	4.7±20%	128	2.25
SNR4026-6R8M	6.8±20%	145	1.90
SNR4026-8R2M	8.2±20%	160	1.75
SNR4026-100M	10±20%	180	1.65
SNR4026-150M	15±20%	300	1.55
SNR4026-220M	22±20%	330	1.40
SNR4026-330M	33±20%	482	1.20
SNR4026-470M	47±20%	950	1.00
SNR4026-680M	68±20%	1300	0.80

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR4030 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 68uH
- Rated current up to 3.3A
- Small and very Thin inductor

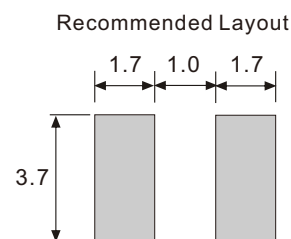
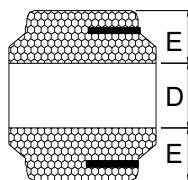
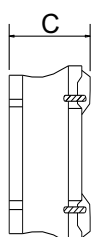
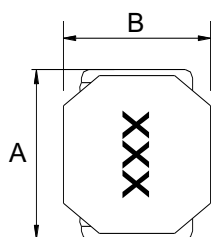
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR4030	4.0±0.2	4.0±0.2	3.0Max	1.4±0.2	1.3±0.2

► Electrical Characteristics For SNR4030 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR4030-1R0N	1.0±30%	28.6	5.00
SNR4030-1R5N	1.5±30%	42	4.80
SNR4030-2R2N	2.2±30%	46	4.50
SNR4030-3R3M	3.3±20%	65	3.00
SNR4030-4R7M	4.7±20%	78	2.90
SNR4030-6R8M	6.8±20%	130	2.20
SNR4030-100M	10±20%	156	2.00
SNR4030-150M	15±20%	260	1.70
SNR4030-220M	22±20%	293	1.30
SNR4030-330M	33±20%	468	1.10
SNR4030-470M	47±20%	598	0.98
SNR4030-560M	56±20%	695	0.88

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR5012 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 22uH
- Rated current up to 4A
- Small and very Thin inductor

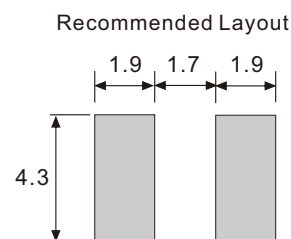
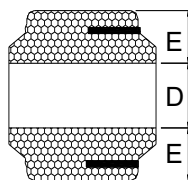
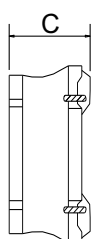
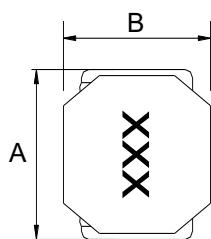
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR5012	5.0±0.2	5.0±0.2	1.3Max	2.0±0.2	1.5±0.2

► Electrical Characteristics For SNR5012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR5012-1R0N	1.0±30%	78	4.00
SNR5012-1R5N	1.5±30%	85	3.20
SNR5012-2R2N	2.2±30%	120	3.10
SNR5012-3R3M	3.3±20%	200	2.20
SNR5012-4R7M	4.7±20%	230	1.98
SNR5012-6R8M	6.8±20%	390	1.50
SNR5012-100M	10±20%	624	1.40
SNR5012-150M	15±20%	804	1.20
SNR5012-220M	22±20%	1300	1.10

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR5040 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 220uH
- Rated current up to 7.35A
- Small and very Thin inductor

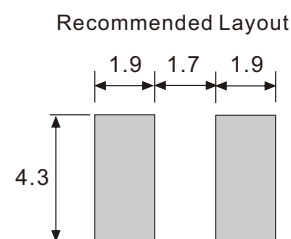
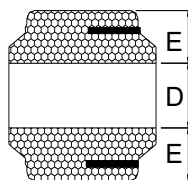
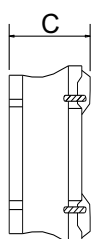
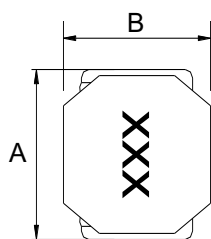
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR5040	5.0±0.2	5.0±0.2	4.0Max	2.0±0.2	1.5±0.2

► Electrical Characteristics For SNR5040 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR5040-1R0N	1.0±30%	18	7.35
SNR5040-1R5N	1.5±30%	28	5.00
SNR5040-2R2N	2.2±30%	28	4.90
SNR5040-3R3M	3.3±20%	34	3.95
SNR5040-4R7M	4.7±20%	42	3.50
SNR5040-6R8M	6.8±20%	59	2.90
SNR5040-100M	10±20%	78	2.30
SNR5040-150M	15±20%	104	2.00
SNR5040-220M	22±20%	169	1.60
SNR5040-270M	27±20%	208	1.40
SNR5040-330M	33±20%	234	1.30
SNR5040-470M	47±20%	403	1.02
SNR5040-560M	56±20%	442	1.00
SNR5040-680M	68±20%	650	0.85
SNR5040-101M	100±20%	728	0.66
SNR5040-221M	220±20%	2340	0.40

SMD Semi-Shielded Power Inductor - SNR5045 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 470uH
- Rated current up to 6A
- Small and very Thin inductor

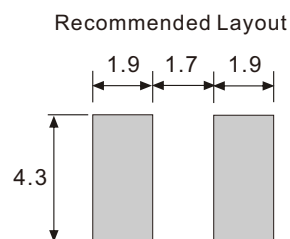
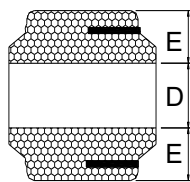
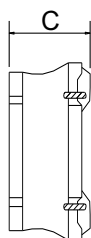
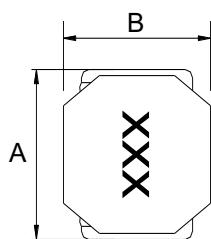
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR5045	5.0±0.2	5.0±0.2	4.5Max	2.0±0.2	1.5±0.2

► Electrical Characteristics For SNR5045 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR5045-1R0N	1.0±30%	20	6.00
SNR5045-1R5N	1.5±30%	21	5.80
SNR5045-2R2N	2.2±30%	22	5.00
SNR5045-3R3M	3.3±20%	29	4.00
SNR5045-4R7M	4.7±20%	34	3.30
SNR5045-220M	22±20%	170	1.75
SNR5045-151M	150±20%	1700	0.55
SNR5045-221M	220±20%	1950	0.50
SNR5045-471M	470±20%	4300	0.20

SMD Semi-Shielded Power Inductor - SNR6020 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 470uH
- Rated current up to 6A
- Small and very Thin inductor

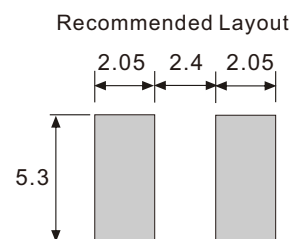
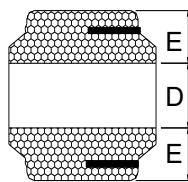
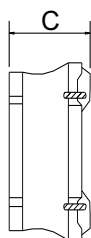
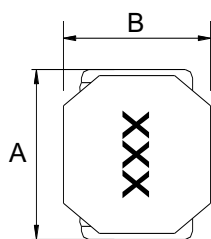
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6020	6.0±0.2	6.0±0.2	2.0Max	2.7±0.2	1.65±0.2

► Electrical Characteristics For SNR6020 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6020-1R0N	1.0±30%	28	4.27
SNR6020-1R5N	1.5±30%	35	4.20
SNR6020-2R2N	2.2±30%	45	3.20
SNR6020-3R3M	3.3±20%	46	3.15
SNR6020-4R7M	4.7±20%	90	2.80
SNR6020-6R8M	6.8±20%	140	2.20
SNR6020-100M	10±20%	175	1.85
SNR6020-120M	12±20%	190	1.70
SNR6020-150M	15±20%	200	1.35
SNR6020-220M	22±20%	280	1.29
SNR6020-330M	33±20%	400	1.00
SNR6020-470M	47±20%	650	0.90
SNR6020-680M	68±20%	990	0.65
SNR6020-101M	100±20%	1430	0.50

SMD Semi-Shielded Power Inductor - SNR5020 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 1000uH
- Rated current up to 4.33A
- Small and very Thin inductor

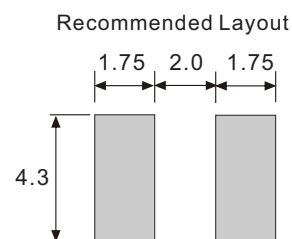
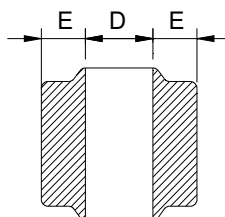
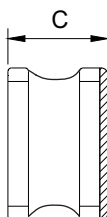
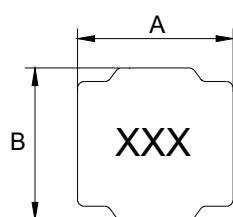
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR5020	5.0±0.2	5.0±0.2	2.0Max	2.3±0.2	1.35±0.2

► Electrical Characteristics For SNR5020 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR5020-1R0N	1.0±30%	25	4.33
SNR5020-1R5N	1.5±30%	34	4.10
SNR5020-2R2N	2.2±30%	50	3.60
SNR5020-3R3M	3.3±20%	59	3.00
SNR5020-4R7M	4.7±20%	78	2.50
SNR5020-6R8M	6.8±20%	108	2.05
SNR5020-100M	10±20%	156	1.44
SNR5020-150M	15±20%	234	1.40
SNR5020-220M	22±20%	294	1.15
SNR5020-270M	27±20%	390	1.05
SNR5020-330M	33±20%	465	1.00
SNR5020-470M	47±20%	657	0.82
SNR5020-680M	68±20%	835	0.59
SNR5020-101M	100±20%	1328	0.55
SNR5020-221M	220±20%	2860	0.28
SNR5020-102M	1000±20%	18200	0.10

SMD Semi-Shielded Power Inductor - SNR6012 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 100uH
- Rated current up to 3A
- Small and very Thin inductor

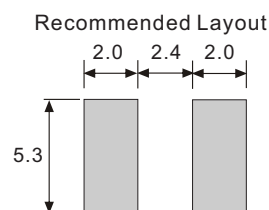
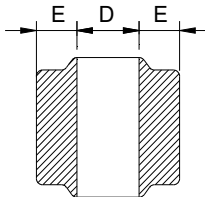
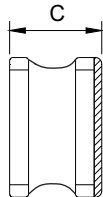
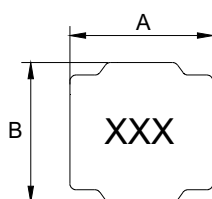
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6012	6.0±0.2	6.0±0.2	1.3Max	2.3±0.2	1.35±0.2

► Electrical Characteristics For SNR6012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6012-1R0N	1.0±30%	60	3.00
SNR6012-1R5N	1.5±30%	80	2.60
SNR6012-2R2N	2.2±30%	108	2.10
SNR6012-3R3M	3.3±20%	126	1.80
SNR6012-4R7M	4.7±20%	150	1.60
SNR6012-6R8M	6.8±20%	198	1.30
SNR6012-100M	10±20%	240	1.00
SNR6012-150M	15±20%	354	0.80
SNR6012-220M	22±20%	558	0.76
SNR6012-330M	33±20%	696	0.59
SNR6012-470M	47±20%	1158	0.52
SNR6012-680M	68±20%	1392	0.44
SNR6012-101M	100±20%	2004	0.35

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR6028 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 1000uH
- Rated current up to 5.75A
- Small and very Thin inductor

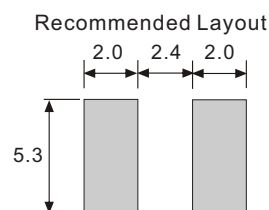
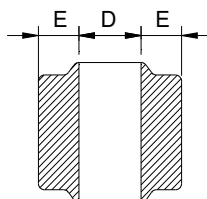
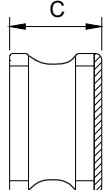
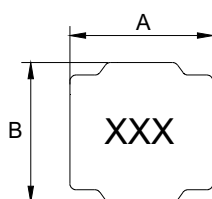
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6028	6.0±0.2	6.0±0.2	3.0Max	2.3±0.2	1.35±0.2

Electrical Characteristics For SNR6028 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6028-1R0N	1.0±30%	20	5.75
SNR6028-1R5N	1.5±30%	25	5.25
SNR6028-2R2N	2.2±30%	28	5.10
SNR6028-3R3M	3.3±20%	40	3.80
SNR6028-4R7M	4.7±20%	45	3.70
SNR6028-5R6M	5.6±20%	60	3.15
SNR6028-6R8M	6.8±20%	65	3.00
SNR6028-100M	10±20%	85	2.50
SNR6028-120M	12±20%	96	2.00
SNR6028-150M	15±20%	125	2.00
SNR6028-220M	22±20%	185	1.45
SNR6028-270M	27±20%	210	1.45
SNR6028-330M	33±20%	260	1.20
SNR6028-470M	47±20%	410	1.15
SNR6028-560M	56±20%	420	0.85
SNR6028-680M	68±20%	546	0.85
SNR6028-820M	82±20%	680	0.80
SNR6028-101M	100±20%	750	0.75
SNR6028-151M	150±20%	860	0.50
SNR6028-331M	330±20%	2400	0.27
SNR6028-471M	470±20%	3500	0.23
SNR6028-102M	1000±20%	7800	0.20

SMD Semi-Shielded Power Inductor - SNR6045 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 1000uH
- Rated current up to 9.85A
- Small and very Thin inductor

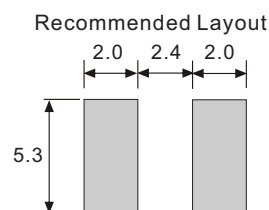
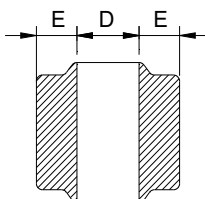
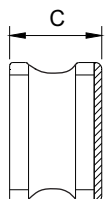
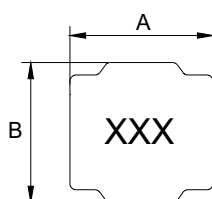
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6045	6.0±0.2	6.0±0.2	4.5Max	2.3±0.2	1.35±0.2

Electrical Characteristics For SNR6045 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6045-1R0N	1.0±30%	14.3	9.85
SNR6045-1R5N	1.5±30%	15.6	9.00
SNR6045-1R8N	1.8±30%	23.4	7.00
SNR6045-2R2N	2.2±30%	23.4	6.90
SNR6045-3R3M	3.3±20%	27.3	5.90
SNR6045-4R7M	4.7±20%	33.8	5.00
SNR6045-5R6M	5.6±20%	36.4	4.27
SNR6045-6R8M	6.8±20%	40.3	3.90
SNR6045-8R2M	8.2±20%	59.8	3.30
SNR6045-100M	10±20%	59.8	3.30
SNR6045-120M	12±20%	78	2.80
SNR6045-150M	15±20%	84.5	2.58
SNR6045-220M	22±20%	149.5	2.08
SNR6045-270M	27±20%	156	1.90
SNR6045-330M	33±20%	182	1.65
SNR6045-470M	47±20%	260	1.44
SNR6045-560M	56±20%	377	1.40
SNR6045-680M	68±20%	541	0.98
SNR6045-101M	100±20%	606	0.88
SNR6045-121M	120±20%	754	0.80
SNR6045-151M	150±20%	1044	0.72
SNR6045-221M	220±20%	2600	0.50
SNR6045-331M	330±20%	6760	0.24
SNR6045-102M	1000±20%	7800	0.27

SMD Semi-Shielded Power Inductor - SNR6050 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 2.2uH - 33uH
- Rated current up to 8.5A
- Small and very Thin inductor

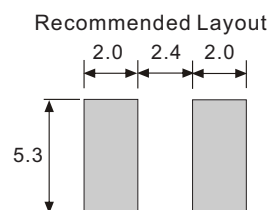
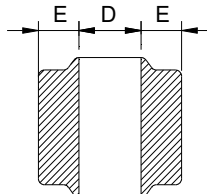
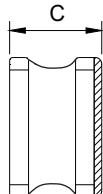
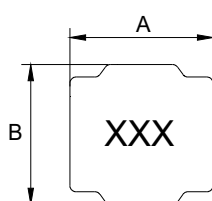
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6050	6.0±0.2	6.0±0.2	5.3Max	2.3±0.2	1.35±0.2

► Electrical Characteristics For SNR6050 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6050-2R2N	2.2±30%	20	8.50
SNR6050-3R3M	3.3±20%	26	7.20
SNR6050-4R7M	4.7±20%	36	6.40
SNR6050-6R8M	6.8±20%	46	5.20
SNR6050-100M	10±20%	60	4.20
SNR6050-150M	15±20%	90	3.30
SNR6050-220M	22±20%	120	3.10
SNR6050-330M	33±20%	175	2.20

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR6060 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 33uH
- Rated current up to 10A
- Small and very Thin inductor

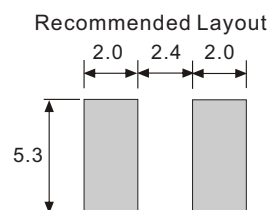
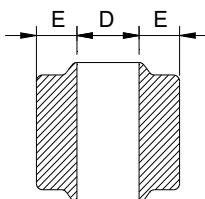
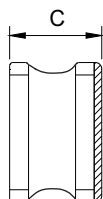
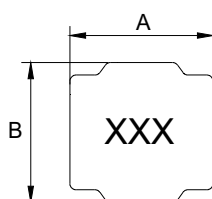
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)



Type	A	B	C	D	E
SNR6060	6.0±0.2	6.0±0.2	6.3Max	2.3±0.2	1.35±0.2

► Electrical Characteristics For SNR6060 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR6060-1R0N	1.0±30%	10	10.00
SNR6060-2R0N	2.0±30%	20	8.80
SNR6060-2R2N	2.2±30%	20	8.80
SNR6060-3R3M	3.3±20%	25	7.50
SNR6060-4R7M	4.7±20%	32.5	6.80
SNR6060-6R8M	6.8±20%	40	5.90
SNR6060-100M	10±20%	72	4.60
SNR6060-150M	15±20%	97.5	3.80
SNR6060-220M	22±20%	110.5	3.40
SNR6060-330M	33±20%	156	2.80

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current

SMD Semi-Shielded Power Inductor - SNR8040 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 470uH
- Rated current up to 10.15A
- Small and very Thin inductor

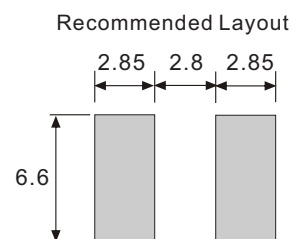
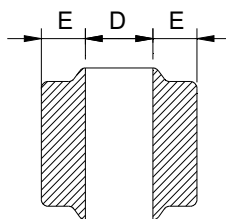
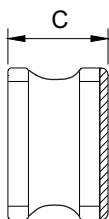
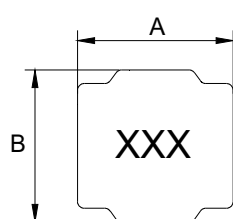
General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

► Dimensions & Configurations (Unit:mm)

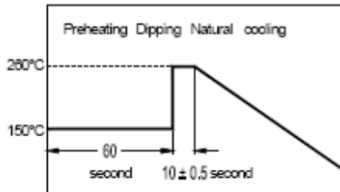


Type	A	B	C	D	E
SNR8040	8.0±0.2	8.0±0.2	4.2Max	3.1±0.2	2.45±0.2

► Electrical Characteristics For SNR8040 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)
SNR8040-1R0N	1.0±30%	9.1	10.15
SNR8040-1R5N	1.5±30%	13	8.15
SNR8040-2R2N	2.2±30%	15.6	8.00
SNR8040-3R3M	3.3±20%	22.1	6.50
SNR8040-4R7M	4.7±20%	24.7	5.90
SNR8040-6R8M	6.8±20%	31.2	4.95
SNR8040-100M	10±20%	52	4.30
SNR8040-150M	15±20%	61	2.95
SNR8040-220M	22±20%	85.8	2.50
SNR8040-330M	33±20%	143	2.07
SNR8040-470M	47±20%	195	1.75
SNR8040-680M	68±20%	255	1.45
SNR8040-101M	100±20%	377	1.15
SNR8040-221M	220±20%	780	0.85
SNR8040-331M	330±20%	1157	0.68
SNR8040-471M	470±20%	1950	0.55
SNR8040-681M	680±20%	2652	0.48

RELLABILITY AND TEST CONDITIONS:

Item	Performance	Test Condition															
Operating Temperature	-40~+125℃																
Rated Current	Refer to standard electric characteristics list.																
Temperature Rise Test	40℃ max. (Δt)																
Solder heat Resistance	Appearance: No significant abnormality. Inductance change: Within ± 30%.	Preheat: 150℃, 60sec. Solder : H63A Solder temperature: 260±0-5℃ Flux: rosin Dip time: 10±0.5sec. 															
Thermal shock	Appearance: no damage Inductance: within±30%of initial value.	Condition for 1 cycle Step1:-25±2℃ 30±3 min. Step2:Room temperature 15 min. Step3:+85±5℃ 30±3 min. Step4:Room temperature 15 min. Number of cycles:50 <table border="1"><thead><tr><th>Phase</th><th>Temperature</th><th>Time(min)</th></tr></thead><tbody><tr><td>1</td><td>-25±2℃</td><td>30±3</td></tr><tr><td>2</td><td>Room Temp.</td><td>15</td></tr><tr><td>3</td><td>+85±2℃</td><td>30±3</td></tr><tr><td>4</td><td>Room Temp.</td><td>15</td></tr></tbody></table> Measured:50 times	Phase	Temperature	Time(min)	1	-25±2℃	30±3	2	Room Temp.	15	3	+85±2℃	30±3	4	Room Temp.	15
Phase		Temperature	Time(min)														
1		-25±2℃	30±3														
2	Room Temp.	15															
3	+85±2℃	30±3															
4	Room Temp.	15															
Humidity Resistance Test	Temperature:40±2℃. Applied current: rated current. Duration:500 hrs. Humidity:90~95%																
High Temperature Resistance Test	Temperature:85±2℃. Applied current: rated current. Duration:500 hrs.																