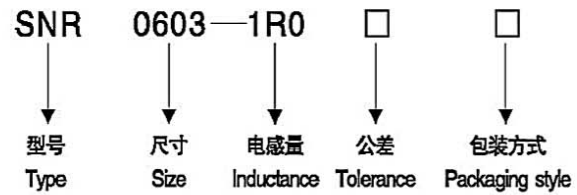


SNR系列 软磁屏蔽线绕片式功率电感器



产品标识 Product Identification



应用领域 APPLICATIONS

产品特点 FEATURES&APPLICATIONS

产品整体高度低

由于采用了特殊的结构设计，产品具有直流电阻小，超低压降，损耗小
直接在磁体上金属化电极，安装牢固，抗跌落冲击能力强，经久耐用
采用盘式载带包装，实现了自动贴片安装，提高整机生产效率

LED背光板、平板电视

办公自动化设备

个人电脑和其他手持电子设备的电源转换器

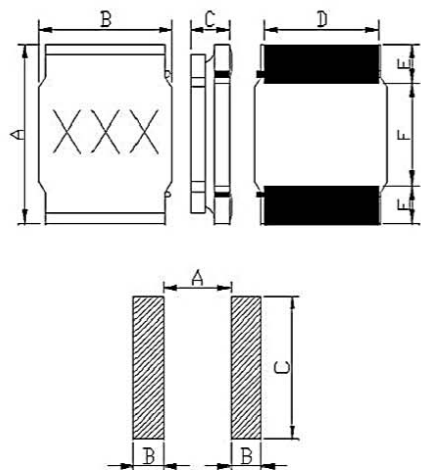
通信、电子游戏、多媒体设备，导航器材，汽车电子

外形尺寸 Dimensions(mm)

型号 TYPE	外形尺寸 DIMENSIONS(mm)					
	A	B	C	D	E	F
SNR0301	3.0±0.2	3.0±0.2	1.0Max.	2.5±0.2	0.75±0.2	1.5±0.2
SNR0312	3.0±0.2	3.0±0.2	1.2Max.	2.5±0.2	0.75±0.2	1.5±0.2
SNR0315	3.0±0.2	3.0±0.2	1.5Max.	2.5±0.2	0.75±0.2	1.5±0.2
SNR0412	4.0±0.2	4.0±0.2	1.2Max.	3.3±0.2	0.95±0.2	2.1±0.2
SNR0402	4.0±0.2	4.0±0.2	2.0Max.	3.3±0.2	0.95±0.2	2.1±0.2
SNR0602	6.0±0.3	6.0±0.3	2.0Max.	4.9±0.3	1.55±0.3	2.9±0.3
SNR0603	6.0±0.3	6.0±0.3	3.0Max.	4.9±0.3	1.55±0.3	2.9±0.3
SNR0645	6.0±0.3	6.0±0.3	4.5Max.	4.9±0.3	1.55±0.3	2.9±0.3
SNR0804	8.0±0.3	8.0±0.3	4.2Max.	6.3±0.3	2.00±0.3	4.0±0.3

建议安装尺寸 Recommended installation dimension

型号 TYPE	A	B	C
SNR0301	1.5	0.8	2.7
SNR0312	1.5	0.8	2.7
SNR0315	1.5	0.8	2.7
SNR0412	1.9	1.1	3.7
SNR0402	1.9	1.1	3.7
SNR0602	2.8	1.7	5.7
SNR0603	2.8	1.7	5.7
SNR0645	2.8	1.7	5.7
SNR0804	3.8	2.2	7.5



包装 Package

规格	SNR0301	SNR0312	SNR0315	SNR0412	SNR0402	SNR0602	SNR0603	SNR0645	SNR0804
数量/卷	5000	5000	5000	4500	3000	2500	2000	1500	1000

SNR系列 软磁屏蔽线绕 片式功率电感器



Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0301-1R0N	1.0±30%	0.10	1.40	1.45
SNR0301-1R5N	1.5±30%	0.12	1.27	1.30
SNR0301-2R2N	2.2±30%	0.17	1.15	1.09
SNR0301-2R7N	2.7±30%	0.20	1.00	1.02
SNR0301-3R3N	3.3±30%	0.22	0.97	0.96
SNR0301-3R6M	3.6±20%	0.25	0.95	0.90
SNR0301-4R7M	4.7±20%	0.34	0.75	0.77
SNR0301-6R8M	6.8±20%	0.46	0.55	0.66
SNR0301-100M	10±20%	0.60	0.55	0.58
SNR0301-120M	12±20%	0.76	0.43	0.52
SNR0301-150M	15±20%	0.92	0.42	0.47
SNR0301-220M	22±20%	1.40	0.35	0.38
SNR0301-270M	27±20%	1.62	0.30	0.35
SNR0301-330M	33±20%	2.33	0.29	0.30
SNR0301-390M	39±20%	2.63	0.28	0.28
SNR0301-430M	43±20%	2.70	0.23	0.27
SNR0301-470M	47±20%	2.93	0.22	0.26
SNR0301-510M	51±20%	3.30	0.21	0.25
SNR0301-560M	56±20%	3.48	0.21	0.24

Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0312-R82N	0.82±30%	0.045	2.05	2.47
SNR0312-1R0N	1.0±30%	0.060	1.87	2.20
SNR0312-1R2N	1.2±30%	0.068	1.72	2.01
SNR0312-1R5N	1.5±30%	0.068	1.62	2.01
SNR0312-1R8N	1.8±30%	0.095	1.30	1.65
SNR0312-2R2N	2.2±30%	0.103	1.20	1.55
SNR0312-2R4N	2.4±30%	0.102	1.15	1.50
SNR0312-2R7N	2.7±30%	0.128	1.14	1.48
SNR0312-3R3M	3.3±20%	0.15	1.05	1.36
SNR0312-3R9M	3.9±20%	0.17	1.00	1.24
SNR0312-4R7M	4.7±20%	0.18	0.90	1.24
SNR0312-6R8M	6.8±20%	0.29	0.75	0.98
SNR0312-100M	10±20%	0.40	0.60	0.83
SNR0312-120M	12±20%	0.52	0.48	0.73
SNR0312-150M	15±20%	0.54	0.45	0.71
SNR0312-180M	18±20%	0.82	0.43	0.58
SNR0312-220M	22±20%	0.97	0.42	0.53
SNR0312-270M	27±20%	1.31	0.35	0.47
SNR0312-330M	33±20%	1.31	0.34	0.46

SNR系列 软磁屏蔽线绕片式功率电感器



Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0312-360M	36 \pm 20%	1.43	0.34	0.44
SNR0312-390M	39 \pm 20%	2.00	0.30	0.37
SNR0312-470M	47 \pm 20%	2.18	0.27	0.35
SNR0312-680M	68 \pm 20%	2.51	0.24	0.33
SNR0312-820M	82 \pm 20%	3.81	0.17	0.27
SNR0312-101M	100 \pm 20%	4.29	0.21	0.25

Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0315-1R0N	1.0 \pm 30%	0.045	2.32	2.35
SNR0315-1R2N	1.2 \pm 30%	0.060	2.30	1.95
SNR0315-1R5N	1.5 \pm 30%	0.075	2.15	1.70
SNR0315-1R8N	1.8 \pm 30%	0.075	1.75	1.70
SNR0315-2R2N	2.2 \pm 30%	0.090	1.60	1.60
SNR0315-2R7N	2.7 \pm 30%	0.113	1.52	1.43
SNR0315-3R3M	3.3 \pm 20%	0.120	1.32	1.36
SNR0315-3R6M	3.6 \pm 20%	0.16	1.28	1.20
SNR0315-4R3M	4.3 \pm 20%	0.17	1.20	1.14
SNR0315-4R7M	4.7 \pm 20%	0.19	1.10	1.09
SNR0315-5R1M	5.1 \pm 20%	0.20	1.00	1.05
SNR0315-6R2M	6.2 \pm 20%	0.29	1.00	0.86
SNR0315-6R8M	6.8 \pm 20%	0.30	0.85	0.85
SNR0315-100M	10 \pm 20%	0.38	0.72	0.77
SNR0315-120M	12 \pm 20%	0.48	0.70	0.68
SNR0315-150M	15 \pm 20%	0.53	0.66	0.65
SNR0315-180M	18 \pm 20%	0.65	0.56	0.59
SNR0315-220M	22 \pm 20%	0.69	0.52	0.57
SNR0315-270M	27 \pm 20%	1.10	0.48	0.45
SNR0315-330M	33 \pm 20%	1.23	0.44	0.43
SNR0315-390M	39 \pm 20%	1.49	0.41	0.39
SNR0315-430M	43 \pm 20%	1.59	0.37	0.37
SNR0315-470M	47 \pm 20%	1.88	0.35	0.35
SNR0315-560M	56 \pm 20%	1.92	0.33	0.34
SNR0315-620M	62 \pm 20%	2.42	0.30	0.30
SNR0315-680M	68 \pm 20%	4.05	0.28	0.23

SNR系列 软磁屏蔽线绕 片式功率电感器



Part Number Units Symbol	Inductance @ 100kHz, 1V μH L	DC Resistance $\Omega(\text{MAX})$ DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0412-R82N	0.82 ± 30%	0.075	3.02	1.65
SNR0412-1R0N	1.0 ± 30%	0.075	2.61	1.65
SNR0412-1R5N	1.5 ± 30%	0.10	2.10	1.46
SNR0412-1R8N	1.8 ± 30%	0.120	2.12	1.32
SNR0412-2R2N	2.2 ± 30%	0.120	1.90	1.32
SNR0412-2R7N	2.7 ± 30%	0.135	1.76	1.25
SNR0412-3R3N	3.3 ± 30%	0.17	1.72	1.12
SNR0412-3R6N	3.6 ± 30%	0.17	1.60	1.12
SNR0412-4R3N	4.3 ± 30%	0.19	1.58	1.10
SNR0412-4R7N	4.7 ± 30%	0.21	1.15	1.05
SNR0412-5R1N	5.1 ± 30%	0.23	1.05	1.00
SNR0412-5R6N	5.6 ± 30%	0.27	1.00	0.95
SNR0412-6R8M	6.8 ± 20%	0.30	0.85	0.84
SNR0412-100M	10 ± 20%	0.40	0.80	0.77
SNR0412-120M	12 ± 20%	0.44	0.66	0.70
SNR0412-150M	15 ± 20%	0.51	0.56	0.64
SNR0412-180M	18 ± 20%	0.71	0.55	0.55
SNR0412-220M	22 ± 20%	0.88	0.50	0.49
SNR0412-270M	27 ± 20%	1.08	0.45	0.45
SNR0412-330M	33 ± 20%	1.22	0.42	0.42
SNR0412-360M	36 ± 20%	1.35	0.40	0.40
SNR0412-390M	39 ± 20%	1.65	0.38	0.37
SNR0412-470M	47 ± 20%	1.65	0.35	0.37
SNR0412-560M	56 ± 20%	1.88	0.33	0.33
SNR0412-680M	68 ± 20%	2.93	0.30	0.27
SNR0412-820M	82 ± 20%	3.21	0.28	0.26
SNR0412-101M	100 ± 20%	3.32	0.25	0.25

Part Number Units Symbol	Inductance @ 100kHz, 1V μH L	DC Resistance $\Omega(\text{MAX})$ DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0402-1R0N	1.0 ± 30%	0.044	4.78	2.15
SNR0402-1R2N	1.2 ± 30%	0.044	5.10	2.15
SNR0402-1R5N	1.5 ± 30%	0.053	4.45	1.98
SNR0402-2R2N	2.2 ± 30%	0.060	3.40	1.85
SNR0402-3R3M	3.3 ± 20%	0.105	3.20	1.60
SNR0402-3R6M	3.6 ± 20%	0.108	2.80	1.54
SNR0402-4R7M	4.7 ± 20%	0.113	2.35	1.34
SNR0402-5R1M	5.1 ± 20%	0.128	2.30	1.27
SNR0402-5R6M	5.6 ± 20%	0.135	2.20	1.22
SNR0402-6R2M	6.2 ± 20%	0.17	2.15	1.08
SNR0402-6R8M	6.8 ± 20%	0.19	2.00	1.08

SNR系列 软磁屏蔽线绕片式功率电感器



Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0402-7R5M	7.5 \pm 20%	0.19	1.85	1.04
SNR0402-8R2M	8.2 \pm 20%	0.19	1.75	1.04
SNR0402-100M	10 \pm 20%	0.25	1.60	0.90
SNR0402-120M	12 \pm 20%	0.26	1.50	0.88
SNR0402-150M	15 \pm 20%	0.35	1.35	0.77
SNR0402-220M	22 \pm 20%	0.53	1.05	0.62
SNR0402-270M	27 \pm 20%	0.82	1.02	0.50
SNR0402-330M	33 \pm 20%	0.83	0.85	0.49
SNR0402-390M	39 \pm 20%	0.98	0.82	0.46
SNR0402-430M	43 \pm 20%	0.99	0.77	0.45
SNR0402-470M	47 \pm 20%	1.07	0.74	0.44
SNR0402-510M	51 \pm 20%	1.13	0.70	0.42
SNR0402-560M	56 \pm 20%	1.20	0.66	0.41
SNR0402-620M	62 \pm 20%	1.35	0.65	0.39
SNR0402-680M	68 \pm 20%	1.59	0.61	0.36
SNR0402-750M	75 \pm 20%	1.74	0.55	0.35
SNR0402-820M	82 \pm 20%	1.76	0.50	0.34
SNR0402-101M	100 \pm 20%	2.33	0.48	0.31

Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0602-R50N	0.50 \pm 30%	0.021	6.55	3.90
SNR0602-R68N	0.68 \pm 30%	0.026	5.90	3.80
SNR0602-R82N	0.82 \pm 30%	0.026	5.30	3.80
SNR0602-1R0N	1.0 \pm 30%	0.030	4.85	3.50
SNR0602-1R2N	1.2 \pm 30%	0.033	4.50	3.20
SNR0602-1R5N	1.5 \pm 30%	0.033	4.25	3.20
SNR0602-1R8N	1.8 \pm 30%	0.042	4.15	2.75
SNR0602-2R0N	2.0 \pm 30%	0.042	4.10	2.75
SNR0602-2R2N	2.2 \pm 30%	0.050	3.90	2.70
SNR0602-2R7N	2.7 \pm 30%	0.052	3.75	2.60
SNR0602-3R3N	3.3 \pm 30%	0.053	3.25	2.60
SNR0602-3R9N	3.9 \pm 30%	0.074	3.15	2.10
SNR0602-4R3N	4.3 \pm 30%	0.074	3.00	2.10
SNR0602-4R7N	4.7 \pm 30%	0.087	2.70	2.00
SNR0602-5R6N	5.6 \pm 30%	0.087	2.40	1.90
SNR0602-6R2N	6.2 \pm 30%	0.12	2.30	1.80
SNR0602-6R8N	6.8 \pm 30%	0.12	2.20	1.80
SNR0602-8R2N	8.2 \pm 30%	0.16	2.10	1.40
SNR0602-100M	10 \pm 20%	0.16	1.75	1.40
SNR0602-120M	12 \pm 20%	0.18	1.45	1.30
SNR0602-150M	15 \pm 20%	0.22	1.20	1.20
SNR0602-180M	18 \pm 20%	0.27	1.20	1.08
SNR0602-220M	22 \pm 20%	0.31	1.05	1.00

SNR系列 软磁屏蔽线绕片式功率电感器



Part Number Units Symbol	Inductance @ 100kHz, 1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0628-1R0N	1.0 \pm 30%	0.015	6.75	5.20
SNR0628-1R5N	1.5 \pm 30%	0.020	6.00	4.58
SNR0628-2R2N	2.2 \pm 30%	0.030	5.10	3.75
SNR0628-2R7N	2.7 \pm 30%	0.030	4.5	3.75
SNR0628-3R3N	3.3 \pm 30%	0.038	4.15	3.48
SNR0628-4R7N	4.7 \pm 30%	0.045	3.80	3.08
SNR0628-5R1N	5.1 \pm 30%	0.065	3.20	2.60
SNR0628-6R2M	6.2 \pm 20%	0.071	3.05	2.40
SNR0628-6R8M	6.8 \pm 20%	0.071	2.60	2.40
SNR0628-8R2M	8.2 \pm 20%	0.083	2.30	2.25
SNR0628-9R1M	9.1 \pm 20%	0.11	2.15	2.15
SNR0628-100M	10 \pm 20%	0.11	2.04	1.95
SNR0628-120M	12 \pm 20%	0.12	1.80	1.85
SNR0628-150M	15 \pm 20%	0.16	1.75	1.45
SNR0628-180M	18 \pm 20%	0.18	1.52	1.45
SNR0628-220M	22 \pm 20%	0.21	1.45	1.40
SNR0628-270M	27 \pm 20%	0.23	1.40	1.32
SNR0628-330M	33 \pm 20%	0.28	1.35	1.22
SNR0628-360MT	36 \pm 20%	0.32	1.25	1.13
SNR0628-390M	39 \pm 20%	0.34	1.25	1.10
SNR0628-470M	47 \pm 20%	0.47	1.15	1.06
SNR0628-680M	68 \pm 20%	0.54	0.90	0.86
SNR0628-750M	75 \pm 20%	0.62	0.85	0.81
SNR0628-820M	82 \pm 20%	0.75	0.80	0.70
SNR0628-101M	100 \pm 20%	0.75	0.65	0.70

Part Number Units Symbol	Inductance @ 100kHz, 1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0645-R82N	0.82 \pm 30%	0.012	10.40	5.90
SNR0645-1R0N	1.0 \pm 30%	0.017	9.85	5.74
SNR0645-1R2N	1.2 \pm 30%	0.0175	8.80	5.40
SNR0645-1R5N	1.5 \pm 30%	0.018	8.35	4.95
SNR0645-1R8N	1.8 \pm 30%	0.018	7.60	4.95
SNR0645-2R2N	2.2 \pm 30%	0.021	6.75	4.60
SNR0645-2R3N	2.3 \pm 30%	0.022	6.00	4.50
SNR0645-2R7N	2.7 \pm 30%	0.023	5.90	4.30
SNR0645-3R0N	3.0 \pm 30%	0.030	5.75	3.80
SNR0645-3R3N	3.3 \pm 30%	0.032	5.60	3.70
SNR0645-3R6N	3.6 \pm 30%	0.032	5.25	3.70
SNR0645-4R3M	4.3 \pm 20%	0.035	4.95	3.50
SNR0645-4R7M	4.7 \pm 20%	0.039	4.75	3.30
SNR0645-5R1M	5.1 \pm 20%	0.039	4.40	3.30
SNR0645-5R6M	5.6 \pm 20%	0.044	4.15	3.15
SNR0645-6R2M	6.2 \pm 20%	0.047	4.03	3.00

SNR系列 软磁屏蔽线绕 片式功率电感器



Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0645-6R8M	6.8 ± 20%	0.047	3.90	3.00
SNR0645-7R5M	7.5 ± 20%	0.051	3.50	2.90
SNR0645-8R2M	8.2 ± 20%	0.065	3.90	2.60
SNR0645-9R1M	9.1 ± 20%	0.065	3.35	2.60
SNR0645-100M	10 ± 20%	0.072	3.20	2.45
SNR0645-120M	12 ± 20%	0.087	2.80	2.20
SNR0645-150M	15 ± 20%	0.10	2.50	2.05
SNR0645-180M	18 ± 20%	0.12	2.20	1.85
SNR0645-220M	22 ± 20%	0.13	2.05	1.80
SNR0645-270M	27 ± 20%	0.15	1.90	1.65
SNR0645-300M	30 ± 20%	0.20	1.70	1.50
SNR0645-330M	33 ± 20%	0.21	1.65	1.45
SNR0645-360M	36 ± 20%	0.26	1.62	1.40
SNR0645-390M	39 ± 20%	0.27	1.50	1.25
SNR0645-430M	43 ± 20%	0.30	1.43	1.20
SNR0645-470M	47 ± 20%	0.30	1.40	1.20
SNR0645-510M	51 ± 20%	0.31	1.35	1.15
SNR0645-560M	56 ± 20%	0.33	1.30	1.10
SNR0645-620M	62 ± 20%	0.35	1.25	1.10
SNR0645-680M	68 ± 20%	0.43	1.20	1.00
SNR0645-750M	75 ± 20%	0.46	1.15	0.95
SNR0645-820M	82 ± 20%	0.51	1.05	0.90
SNR0645-910M	91 ± 20%	0.54	1.00	0.85
SNR0645-101M	100 ± 20%	0.65	0.95	0.80
SNR0645-121M	120 ± 20%	0.73	0.85	0.77
SNR0645-151M	150 ± 20%	0.87	0.80	0.70
SNR0645-221M	220 ± 20%	1.25	0.70	0.59
SNR0645-331M	330 ± 20%	1.91	0.57	0.57

Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) Irms
SNR0804-R82N	0.82 ± 30%	0.012	13.8	6.30
SNR0804-1R0N	1.0 ± 30%	0.012	9.85	6.30
SNR0804-1R5N	1.5 ± 30%	0.015	9.25	5.65
SNR0804-2R0N	2.0 ± 30%	0.018	8.15	5.15
SNR0804-2R2N	2.2 ± 30%	0.018	7.52	5.15
SNR0804-3R0N	3.0 ± 30%	0.021	7.10	4.70
SNR0804-3R3N	3.3 ± 30%	0.026	6.50	4.40
SNR0804-3R6N	3.6 ± 30%	0.026	6.10	4.35
SNR0804-3R9N	3.9 ± 30%	0.026	5.90	4.35
SNR0804-4R7N	4.7 ± 30%	0.029	5.75	4.10
SNR0804-5R1N	5.1 ± 30%	0.029	4.70	4.05
SNR0804-5R6N	5.6 ± 30%	0.032	4.60	3.85
SNR0804-6R2N	6.2 ± 30%	0.032	4.55	3.85

SNR系列 软磁屏蔽线绕 片式功率电感器



Part Number Units Symbol	Inductance @100kHz,1V μ H L	DC Resistance Ω (MAX) DCR	Saturation Current A(MAX) Isat	Heat Rating Current A(MAX) I _{rms}
SNR0804-6R8M	6.8 ± 20%	0.036	4.45	3.60
SNR0804-8R2M	8.2 ± 20%	0.039	4.20	3.45
SNR0804-100M	10 ± 20%	0.044	3.60	3.30
SNR0804-150M	15 ± 20%	0.071	2.95	2.60
SNR0804-180M	18 ± 20%	0.080	2.70	2.40
SNR0804-220M	22 ± 20%	0.10	2.40	2.10
SNR0804-270M	27 ± 20%	0.12	2.15	2.00
SNR0804-330M	33 ± 20%	0.15	2.05	1.80
SNR0804-360M	36 ± 20%	0.15	2.00	1.75
SNR0804-390M	39 ± 20%	0.16	1.95	1.70
SNR0804-430M	43 ± 20%	0.17	1.90	1.65
SNR0804-470M	47 ± 20%	0.20	1.75	1.55
SNR0804-510M	51 ± 20%	0.21	1.70	1.50
SNR0804-560M	56 ± 20%	0.22	1.55	1.45
SNR0804-620M	62 ± 20%	0.27	1.50	1.30
SNR0804-680M	68 ± 20%	0.29	1.45	1.25
SNR0804-750M	75 ± 20%	0.32	1.35	1.20
SNR0804-820M	82 ± 20%	0.34	1.30	1.15
SNR0804-910M	91 ± 20%	0.41	1.20	1.05
SNR0804-101M	100 ± 20%	0.44	1.15	1.00
SNR0804-121M	120 ± 20%	0.50	1.05	0.95
SNR0804-151M	150 ± 20%	0.62	1.10	0.85
SNR0804-221M	220 ± 20%	0.90	0.85	0.80
SNR0804-331M	330 ± 20%	1.33	0.68	0.64

除满足上述规范外，还可根据客户要求特殊设计