

**FEATURES**

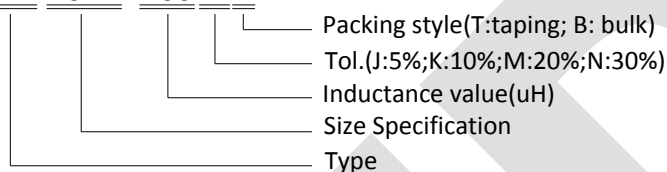
- With magnetic shield against radiation.
- Super low resistance with high current rating and high energy storage.
- Suitable for surface mount equipment.

**APPLICATIONS**

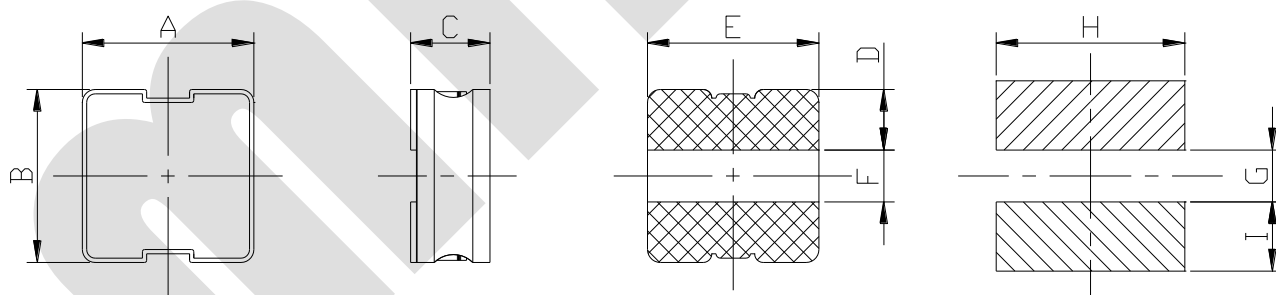
- Power supply choke for small electrical equipments such as VTR,LCD display, Note book, communication equipment , OA equipments , Mother board , display card ,sound card; Power supply or MP3, MP4 , MP5,PDA ,IPAD,IPHONE, DC-DC converter DC –AC inverters etc.

**ORDERING CODE**

SRB 4012 - 100 M T



**DIMENSIONS AND LAND PATTERNS(mm)**



TYPE	A (±0.3)	B (±0.3)	C (Max)	D (Ref)	E (Ref)	F (Ref)	G (Ref)	H (Ref)	I (Ref)
SRB3012-	3.0	3.0	1.3	1.0	3.0	1.0	0.6	3.2	1.2
SRB3015-	3.0	3.0	1.6	1.0	3.0	1.0	0.6	3.2	1.2
SRB4012-	4.0	4.0	1.3		4.0		1.0	4.2	1.5
SRB4018-	4.0	4.0	2.0		4.0		1.0	4.2	1.5
SRB5020-	5.0	5.0	2.3		5.0		1.6	5.2	1.8
SRB6020-	6.0	6.0	2.3		6.0		2.8	6.0	1.6

**特 征**

- 磁屏蔽结构，防止高频辐射干扰；
- 超低的直流电阻及高额定电流和高能量储存；
- 适合表面贴装。

**用 途**

- 录像机、液晶显示器、笔记本电脑、通讯设备、电脑主机板、声卡、显卡、办公自动化设备的电源扼流；MP3、MP4、MP5,PDA、IPAD、IPHONE,直流-直流整流器，直流-交流换流器等的电源供应器。

**SHAPE**

**SRB3012-SERIES**

P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq. KHz	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max		Max.	Typ.
1R0N	1.0	±30%	0.068	100	1.90	2.00
1R5N	1.5	±30%	0.076	100	1.50	1.85
2R2M	2.2	±20%	0.096	100	1.35	1.70
3R3M	3.3	±20%	0.120	100	1.05	1.55
4R7M	4.7	±20%	0.156	100	0.95	1.30
6R8M	6.8	±20%	0.228	100	0.81	1.05
100M	10	±20%	0.336	100	0.64	0.89
150M	15	±20%	0.516	100	0.55	0.74
220M	22	±20%	0.756	100	0.44	0.61
330M	33	±20%	1.248	100	0.37	0.48
470M	47	±20%	1.500	100	0.31	0.44

**SRB3015-SERIES**

P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq. KHz	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max		Max.	Typ.
1R0N	1.0	±30%	0.058	100	2.00	2.10
1R5N	1.5	±30%	0.075	100	1.50	1.85
2R2M	2.2	±20%	0.084	100	1.35	1.75
3R3M	3.3	±20%	0.112	100	1.15	1.50
4R7M	4.7	±20%	0.136	100	1.00	1.35
6R8M	6.8	±20%	0.216	100	0.92	1.05
100M	10	±20%	0.288	100	0.70	0.94
150M	15	±20%	0.456	100	0.58	0.75
220M	22	±20%	0.660	100	0.48	0.62
330M	33	±20%	0.984	100	0.39	0.51
470M	47	±20%	1.500	100	0.32	0.41

Remark : Inductance decrease current: Value of inductance decrease within 30%.

Temperature rise current: A rise in temperature of core surface is within 40°C.

SRB4012-SERIES						
P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq.	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max	KHz	Max.	Typ.
1R0N	1.0	±30%	0.060	100	2.50	2.65
1R5N	1.5	±30%	0.072	100	2.10	2.45
2R2M	2.2	±20%	0.081	100	1.70	2.20
3R3M	3.3	±20%	0.102	100	1.40	2.00
4R7M	4.7	±20%	0.118	100	1.20	1.90
6R8M	6.8	±20%	0.156	100	1.00	1.60
100M	10	±20%	0.228	100	0.89	1.33
150M	15	±20%	0.372	100	0.70	1.05
220M	22	±20%	0.468	100	0.63	0.95
330M	33	±20%	0.804	100	0.47	0.70
470M	47	±20%	1.020	100	0.41	0.61
SRB4018-SERIES						
P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq.	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max	KHz	Max.	Typ.
1R0N	1.0	±30%	0.037	100	4.00	1.83
2R2M	2.2	±20%	0.075	100	2.70	1.44
3R3M	3.3	±20%	0.175	100	2.00	1.23
4R7M	4.7	±20%	0.112	100	1.70	1.20
6R8M	6.8	±20%	0.137	100	1.45	1.06
100M	10	±20%	0.225	100	1.20	0.84
150M	15	±20%	0.281	100	0.94	0.65
220M	22	±20%	0.450	100	0.80	0.59
330M	33	±20%	0.662	100	0.65	0.49
470M	47	±20%	0.812	100	0.57	0.42
680M	68	±20%	1.250	100	0.47	0.32
101M	100	±20%	1.875	100	0.40	0.27
151M	150	±20%	3.125	100	0.31	0.22
221M	220	±20%	5.000	100	0.27	0.17

Remark : Inductance decrease current: Value of inductance decrease within 30%.

Temperature rise current: A rise in temperature of core surface is within 40°C.

**SRB5020-SERIES**

P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq. KHz	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max		Typ.	Typ.
1R0N	1.0	±30%	0.026	100	4.00	3.60
1R5N	1.5	±30%	0.032	100	3.35	3.20
2R2M	2.2	±20%	0.043	100	2.90	2.90
3R3M	3.3	±20%	0.060	100	2.40	2.40
4R7M	4.7	±20%	0.075	100	2.00	2.00
6R8M	6.8	±20%	0.112	100	1.60	1.65
100M	10	±20%	0.150	100	1.30	1.45
150M	15	±20%	0.206	100	1.10	1.20
220M	22	±20%	0.325	100	0.90	1.00

**SRB6020-SERIES**

P/N	L(uH) Inductance	Inductance Tolerance	DCR(Ω) DC Resistance	Test Freq. KHz	Isat(A) Inductance decrease current	Idc(A) Temperature rise current
			Max		Typ.	Typ.
R80N	0.8	±30%	0.024	100	5.50	3.80
1R5N	1.5	±30%	0.031	100	4.00	3.20
2R2M	2.2	±20%	0.040	100	3.20	2.70
3R3M	3.3	±20%	0.048	100	2.80	2.60
4R7M	4.7	±20%	0.069	100	2.40	2.00
6R8M	6.8	±20%	0.102	100	2.00	1.80
100M	10	±20%	0.150	100	1.70	1.40
220M	22	±20%	0.348	100	1.05	0.95

Remark : Inductance decrease current: Value of inductance decrease within 30%.

Temperature rise current: A rise in temperature of core surface is within 40°C.