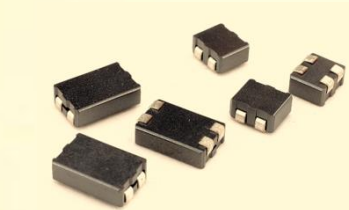
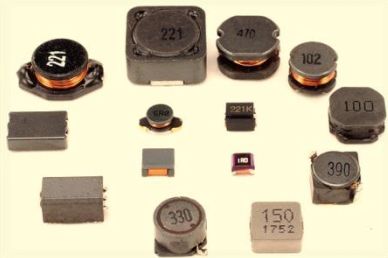
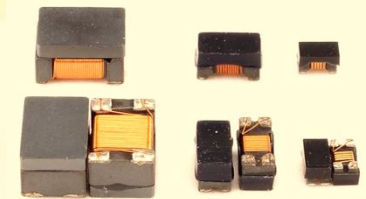


New Products

Schmid-M

2023



Contents

SMD Bead

Material Metal Alloy

1. SMBP403025G
2. SMBP784730G
3. SMBP853025G

Material MnZn

4. SMBM403022I
5. SMBM403025
6. SMBM784730
7. SMBM853025

Common mode chokes

High Impedance for high frequency common mode noise

1. SPWC

For High current

2. SSCM

Metal Alloy Molding Inductor

High current

1. SRPI-P
2. SRPI-F




Mini Molding

3. SRIM
4. SWI –FW



SMD Bead

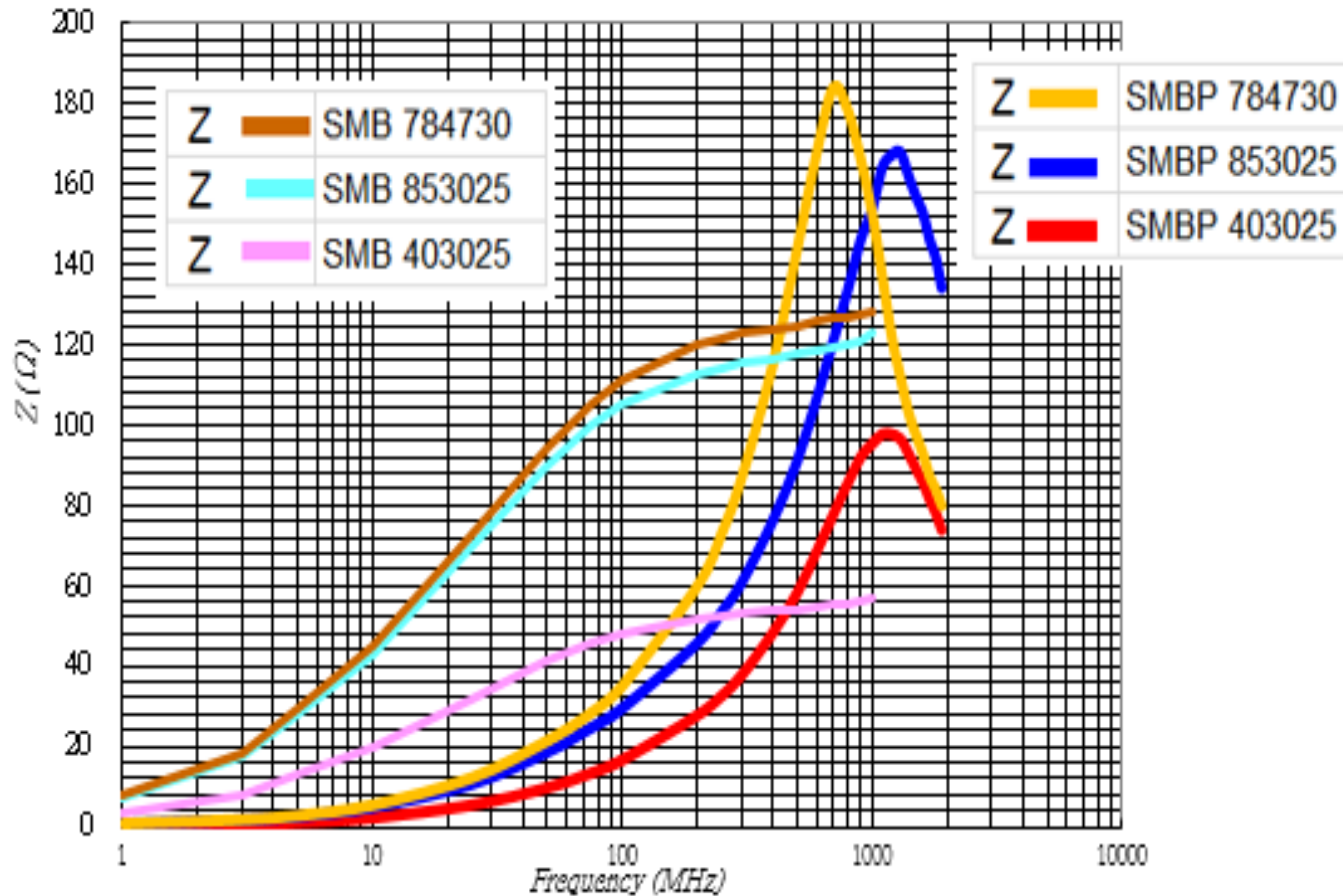
Material Metal Alloy

Photo	Series / Part No.	Notes
	SMBP403025	63Ω/500MHz 100Ω/1GHz Rated Current >20A
	SMBP853025	92Ω/500MHz 153Ω/1GHz Rated Current >20A
	SMBP785625	144Ω/500MHz 158Ω/1GHz Rated Current >20A



SMD Bead

Material Metal Alloy







Material Alloy Powder (over 1GHz high frequency) vs NiZn of SMD Bead



SMD Bead

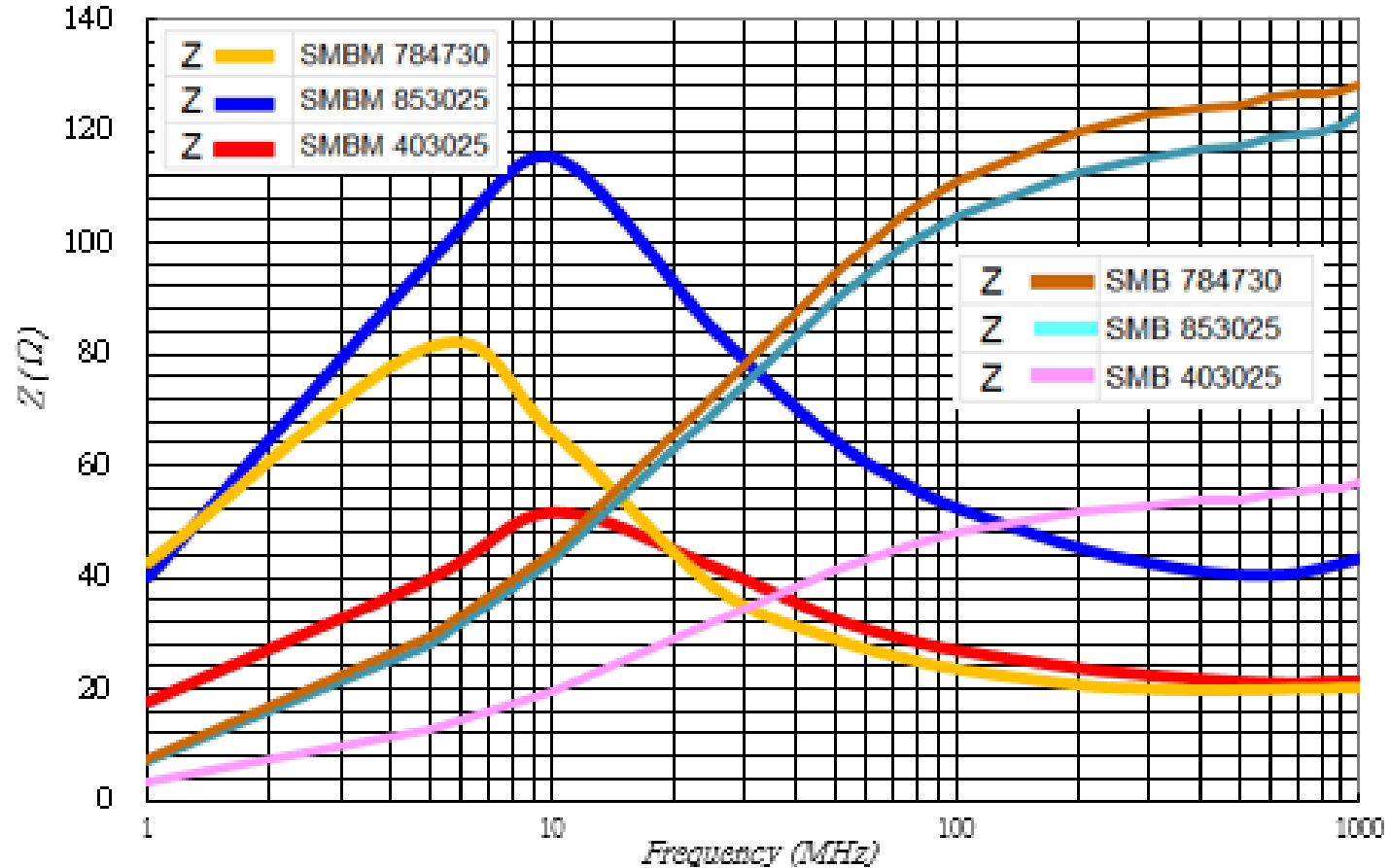
Material MnZn

Photo	Series / Part No.	Notes
	SMBM403022I	11 Ω /1MHz 29 Ω /10MHz Rated Current >10A
	SMBM403025	14 Ω /1MHz 34 Ω /10MHz Rated Current >10A
	SMBM853025	30 Ω /1MHz 72 Ω /10MHz Rated Current >10A
	SMBM853025	30 Ω /1MHz 70 Ω /10MHz Rated Current >10A



SMD Bead



Material MnZn



Material MnZn (below 50MHz) vs NiZn of SMD Bead

Common mode chokes

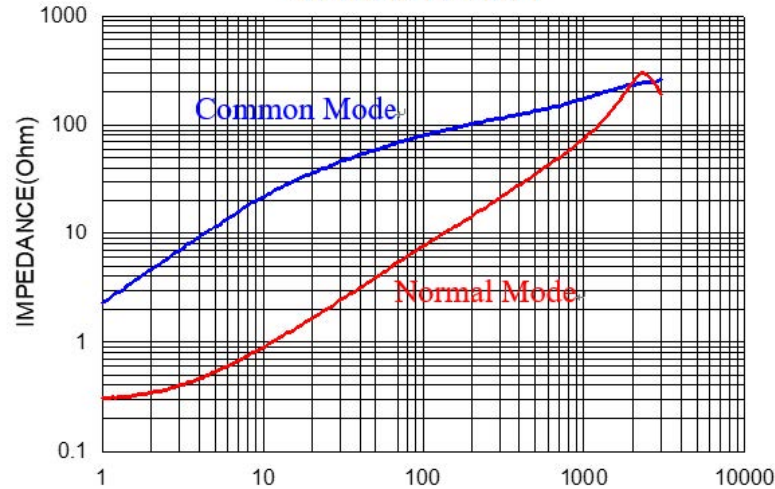
High Impedance for high frequency common mode noise

Photo	Part No.	Notes
	SPWC1210-900/1	Maximum common mode noise impedance to 220 Ω at 1.8GHz
	SPWC1210-601/1	Maximum common mode noise impedance to 2000 Ω at 400MHz
	SPWC1210-102/0.4	Maximum common mode noise impedance to 1500 Ω at 300MHz
	SPWC1812-900/4	Maximum common mode noise impedance to 1500 Ω at 400MHz
	SPWC1812-231/3.5	Maximum common mode noise impedance to 500 Ω at 1.5GHz
	SPWC1812-421/3.2	Maximum common mode noise impedance to 800 Ω at 800MHz
	SPWC1812-601/2.5	Maximum common mode noise impedance to 600 Ω at 1GHz
	SPWC1812-901/2.3	Maximum common mode noise impedance to 1500 Ω at 400MHz
	SPWC1812-142/2	Maximum common mode noise impedance to 2000 Ω at 300MHz
	SPWC1812-282/0.9	Maximum common mode noise impedance to 4000 Ω at 200MHz

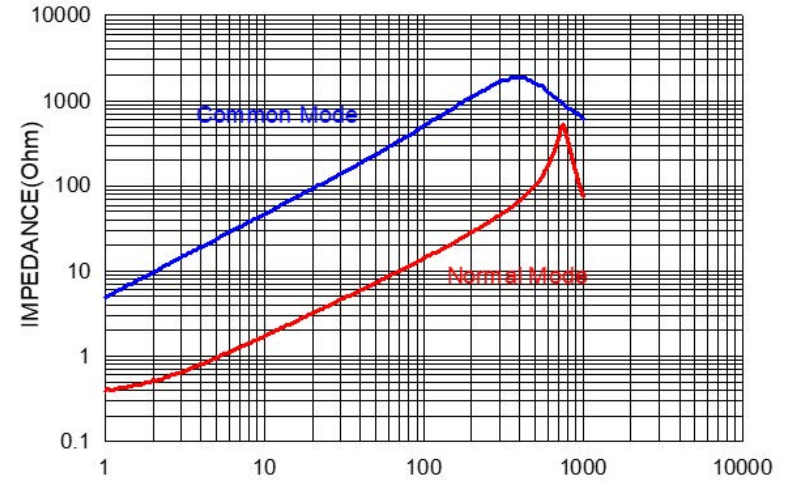


Common mode chokes

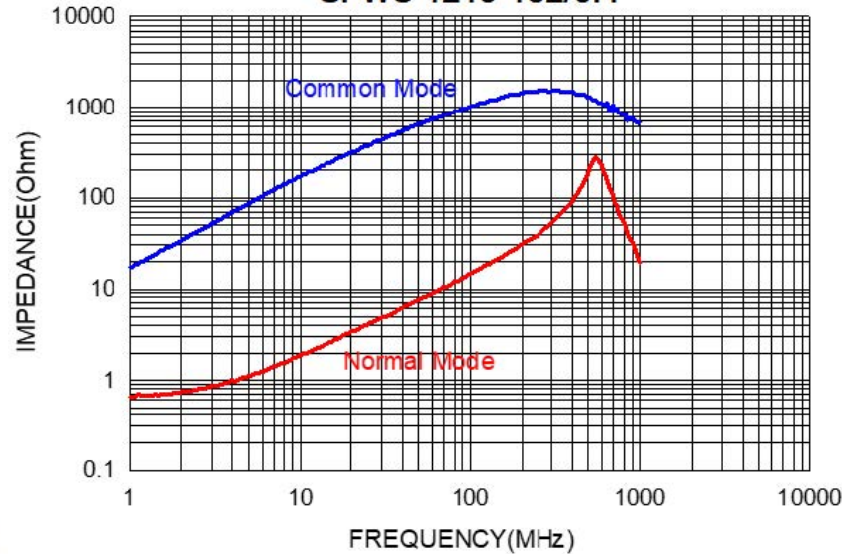
SPWC1210-900/1



SPWC 1210-601/1

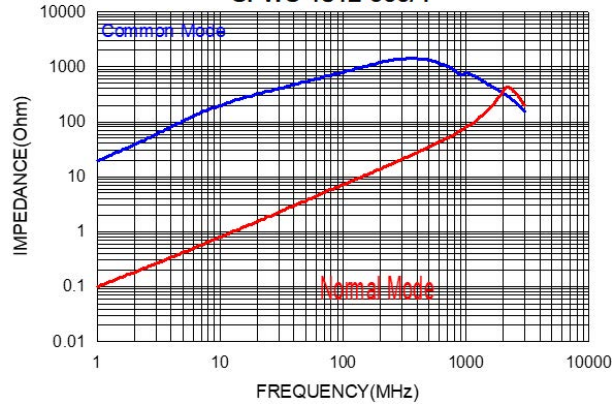


SPWC 1210-102/0.4

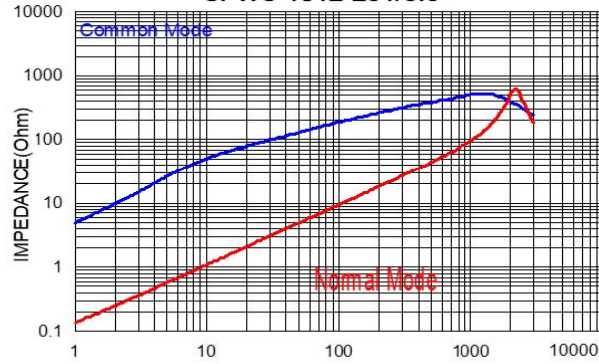


Common mode chokes

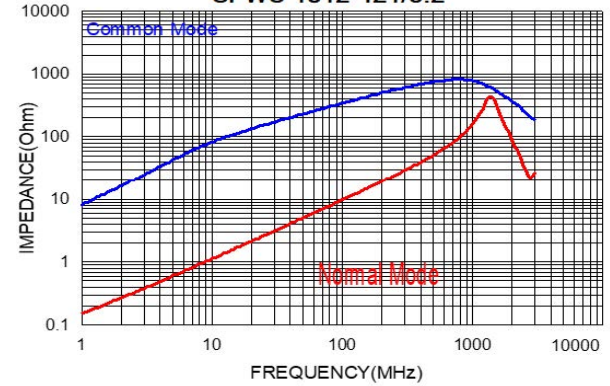
SPWC 1812-900/4



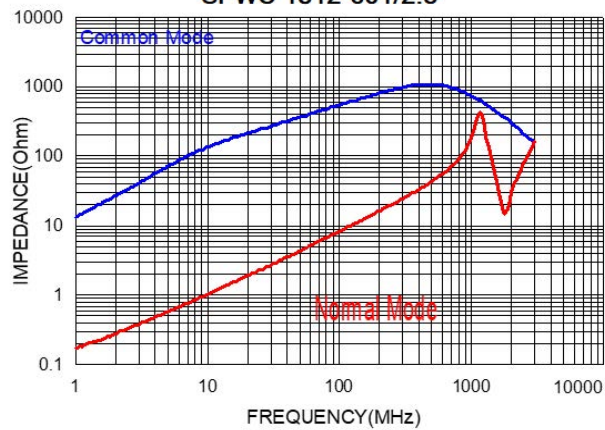
SPWC 1812-231/3.5



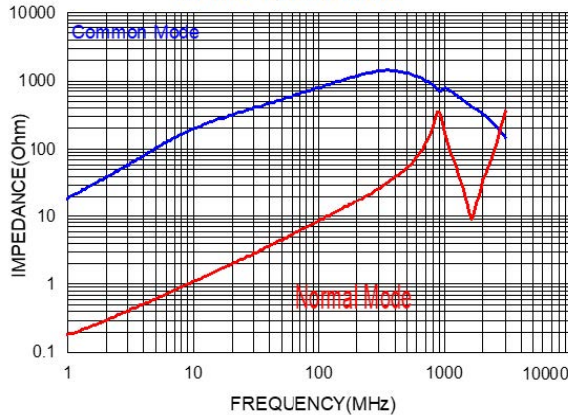
SPWC 1812-421/3.2



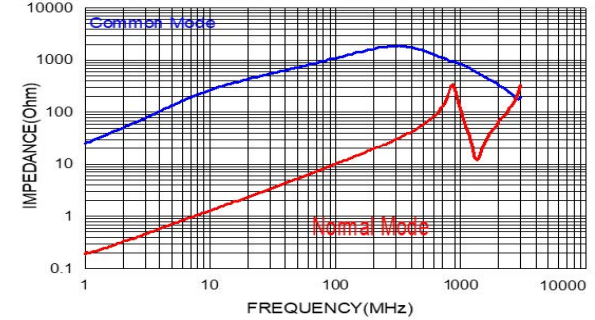
SPWC 1812-601/2.5



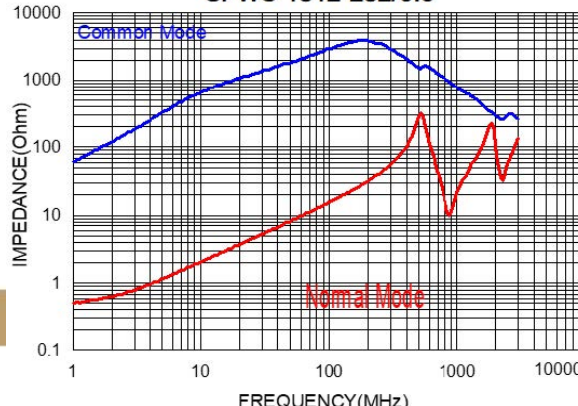
SPWC 1812-901/2.3



SPWC 1812-142/2

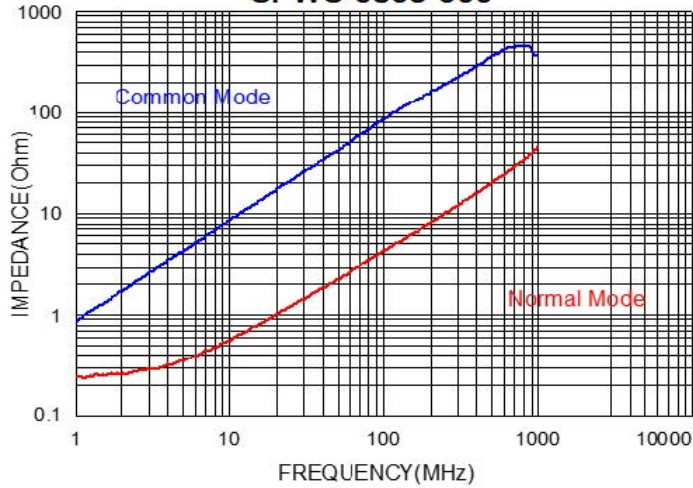


SPWC 1812-282/0.9

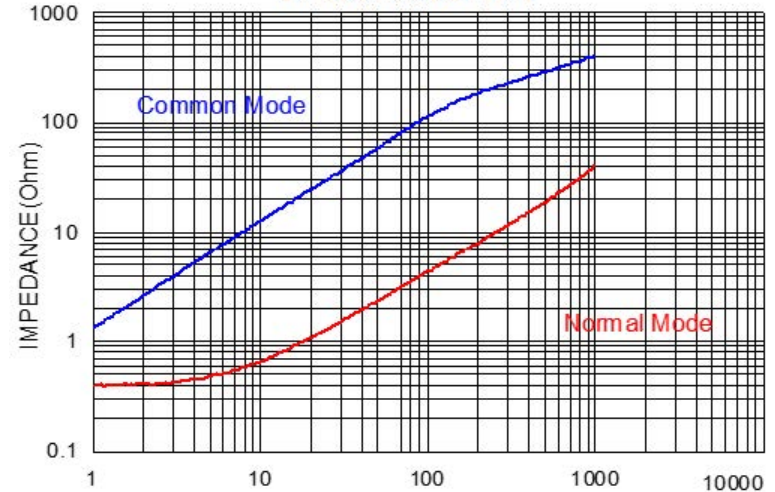


Common mode chokes

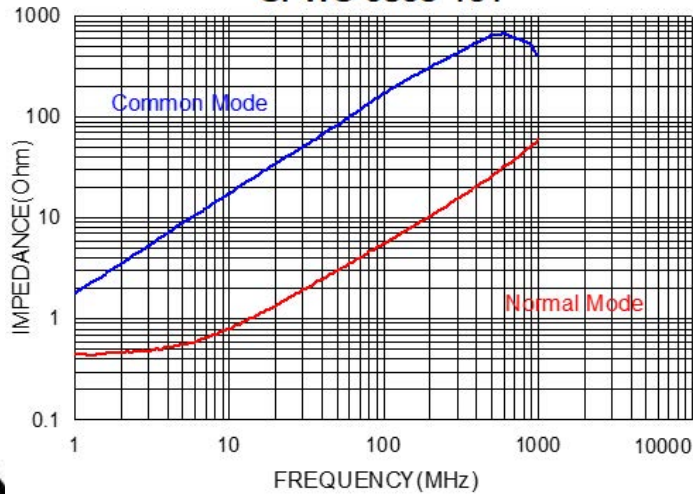
SPWC 0805-900



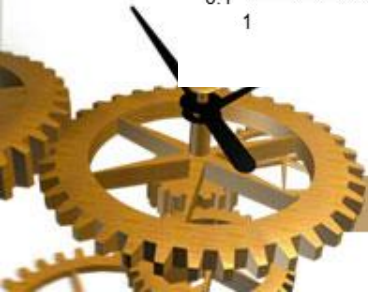
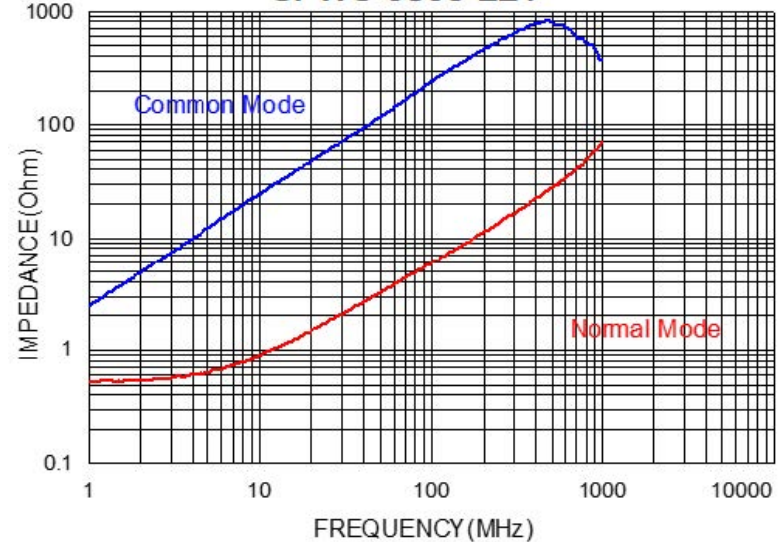
SPWC 0805-121



SPWC 0805-161






SPWC 0805-221



Common mode chokes

High current CMC for Power Line tests comply with AEC-Q200

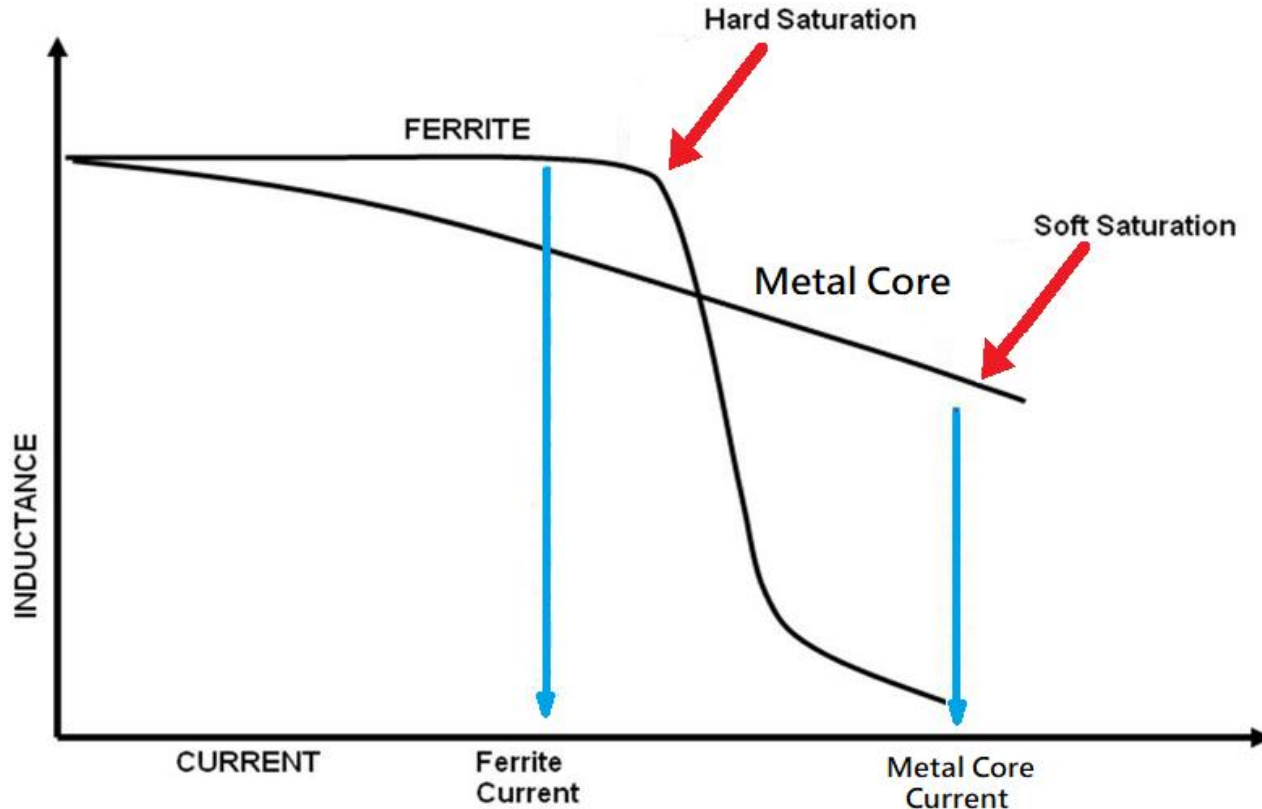
Photo	Part No.	Impedance		Rated
		(Ω) at 100MHz		Current
		Min.	Typ.	(A) Max.
	SSCM 0706V-400	40	70	15
	SSCM 0706V-101	100	140	9
	SSCM 0706V-301	225	300	5
	SSCM 0706V-501	400	500	5
	SSCM 0706V-701	500	700	4
	SSCM 0706V-102	800	1020	3
	SSCM 0706V-132	910	800	3
	SSCM 0907V-501	300	500	8
	SSCM 0907V-701	500	700	6
	SSCM 0907V-102	750	1000	5
	SSCM 0907V-152	1000	1500	4.5
	SSCM 0907V-222	1700	2200	4
	SSCM 0907V-272	2000	2700	3.5
	SSCM 1211V-501	300	500	11
	SSCM 1211V-701	500	700	9
	SSCM 1211V-102	750	1000	7
	SSCM 1211V-172	1200	1700	5

Rated Current $\geq 1A$ ΔT 40°C Max

Metal Alloy Molding Inductor

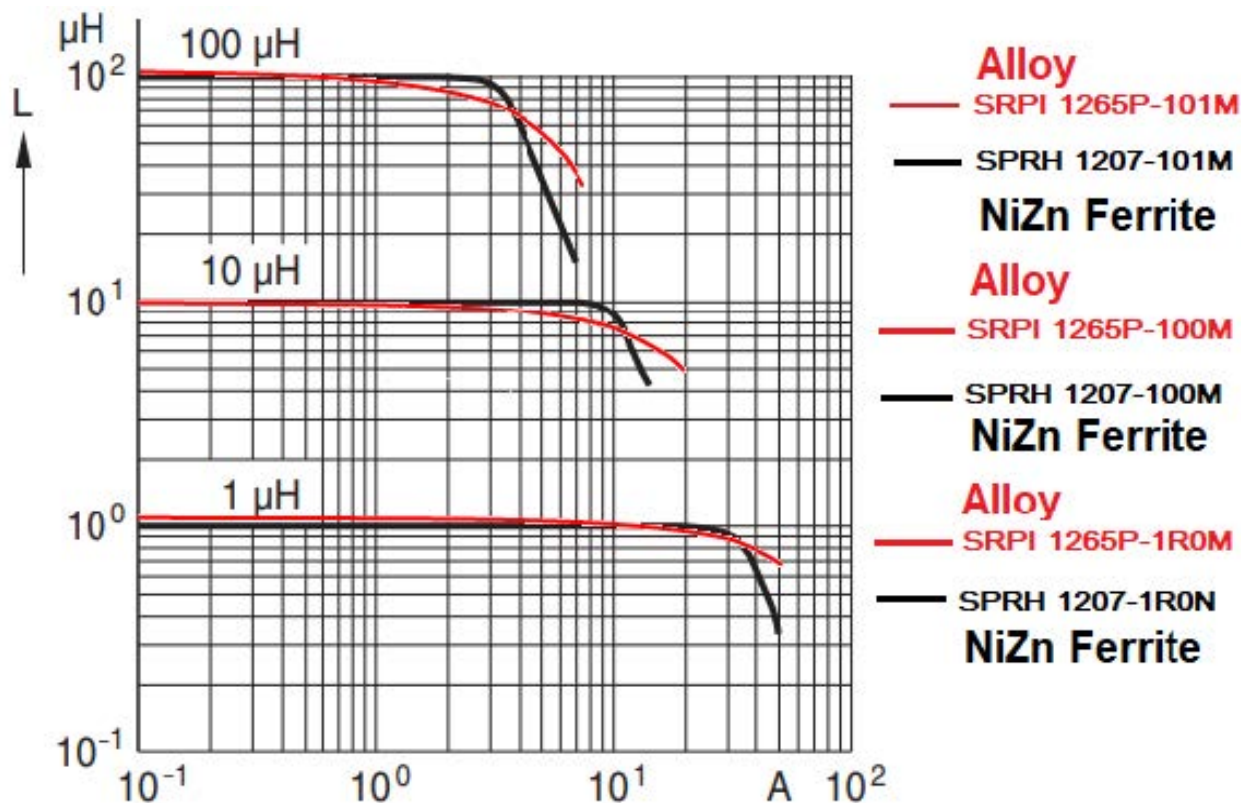
High current

Soft saturation characteristics of Metal Alloy material



Metal Alloy Molding Inductor

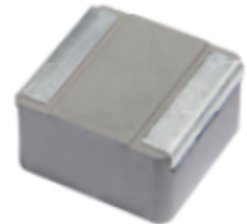
Soft saturation characteristics of Metal Alloy material



Metal Alloy Molding Inductor

SRPI-P Metal Alloy + Round Wire

No.	Part No.	L	Isat Typ	Irms Typ
		(μ H)	(A)	(A)
1	SRPI 0402P-SERIES	0.10~3.3	26.0 ~3.1	16.0~4.5
2	SRPI 0502P-SERIES	0.15~22	27.0 ~2.2	22.0~1.9
3	SRPI 0503P-SERIES	0.47~10	10.0 ~2.5	13.5~3.8
4	SRPI 0603P-SERIES	0.15~33	40.0~2.5	30.0~2.1
5	SRPI 0604P-SERIES	0.15~6.8	45.0~6.8	35.0~7.6
6	SRPI 0624P-SERIES	0.10~10	70.0~4.6	30.0 ~3.7
7	SRPI 1004P-SERIES	0.15~100	82.0~2.7	44.0 ~2.0
8	SRPI 1005P-SERIES	0.36~100	52.0 ~2.8	34.0~2.2
9	SRPI 1205P-SERIES	0.47~33	65.0~7.3	38.0~6.0
10	SRPI 1206P-SERIES	0.36~150	70.0~4.1	60.0~2.6
11	SRPI 1265P-SERIES	0.10~100	120.0~5.0	65.0~5.0
12	SRPI 1707P-SERIES	0.47~82	110~8.0	60~6.5
13	SRPI 2313P-SERIES	1.5~100	52~9.0	62~11



Metal Alloy Molding Inductor

SRPI-F Metal Alloy + Flat Wire (Low DCR)

No.	Part No.	L (μH) $\pm 20\%$	RDC ($\text{m}\Omega$) Typ.	Isat (A)Typ.	I _{rms} (A) Typ. 40°C rise
1	SPRI 0402F-SERIES	0.10 ~1.8	2.2 ~25	38 ~7.5	18 ~7
2	SPRI 0502F-SERIES	0.15 ~1.5	4~16.2	30~13.3	18.8 ~8.8
3	SPRI 0503F-SERIES	0.15~4.7	2.1~33	36~8.2	22.2~5.9
4	SPRI 0603F-SERIES	0.18~4.7	1.6~26.5	40~9	32~6
5	SPRI 0604F-SERIES	0.47~5.6	2.6~25.5	31~9.8	24~6.7
6	SPRI 0605F-SERIES	0.82~8.2	3.8~28.6	24~8	21~6.2
7	SPRI 0702F-SERIES	0.15~1.8	1.9~18	51~15	24~8
8	SPRI 0703F-SERIES	0.36~5.6	2.1~30.1	41~12.5	24~7.3
9	SPRI 0705F-SERIES	2.20~5.6	5.8~15.6	21~13	14~10
10	SPRI 0707F-SERIES	1.0~10	2.55~24	34.8~10	25~7
12	SPRI 0808F-SERIES	3.3~10	6.6~20.8	23~11	18~8.7
13	SPRI 1006F-SERIES	2.2~10	4.4~16.5	35~15	20~9
14	SRPI 1010F-SERIES	3.3~15	3.7~17.5	27.4~15.5	25~13.8
15	SRPI 1508F-SERIES	2.0~22	1.92~19.3	57~19	40~12
16	SRPI 1510F-SERIES	4.70~33.0	3.4~18.7	43~18.7	30~13
17	SRPI 1513F-SERIES	4.70~33.0	3~18.5	44~19	31~14



Mini Molding

SRIM Metal Alloy + flat wire



Part Number	L (μH)	I sat (A)	I rms (A)
		Typ.	Typ.
SRIM 201610 Series	0.24~2.2	7.7 ~2.65	6.5 ~2.3
SRIM 322510 Series	0.22~4.7	9.0~2.2	8.0~2.0
SRIM 322512 Series	0.22~4.7	9.3~2.8	9.5~2.2
SRIM 322520 Series	0.33~1.5	11.0~6.0	8.5~5.3



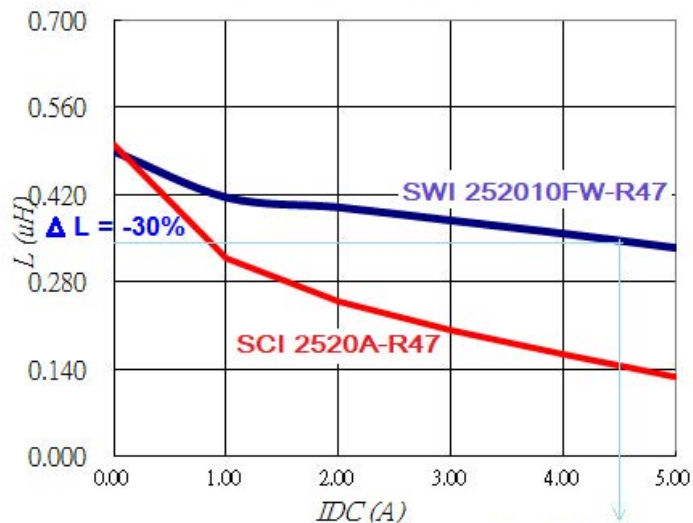
Molding Mini Inductor

SWI-FW Metal Alloy + flat wire

Inductance - DC bias current

Inductance - DC bias current

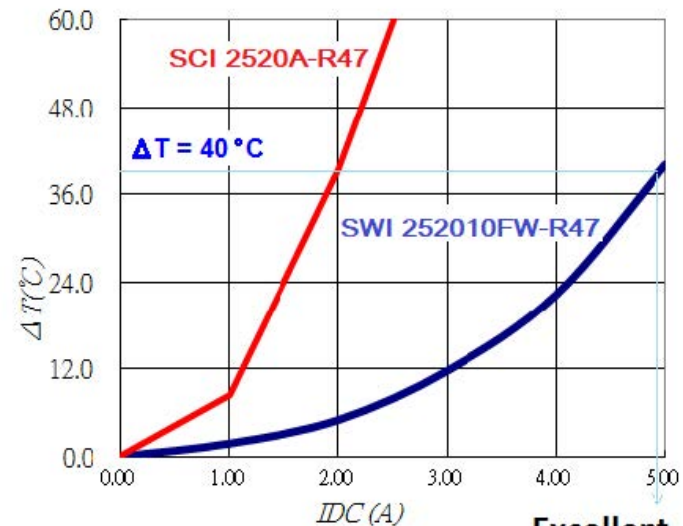
SWI 252010FW-R47
vs SCI 2520A-R47



Excellent
Rated Current

Temperature rise - DC bias current

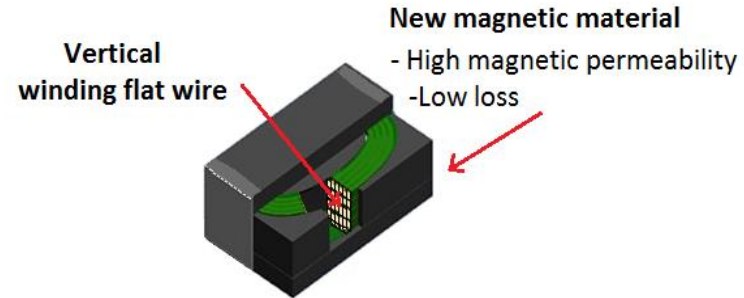
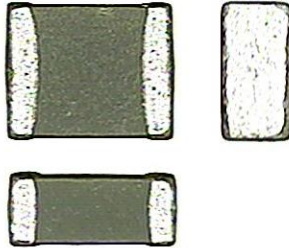
SWI 252010FW-R47
vs SCI 2520A-R47



Excellent
Rated Current

Molding Mini Inductor

SWI-FW Metal Alloy + flat wire



Part No.	L (μH)	RDC ($\text{m}\Omega$) Typ.	I sat (A) Typ.	I rms (A) Typ.
SWI 252010FW Series	0.24~4.7	18~230	6.3~1.6	5.7~1.4
SWI 252012FW Series	0.24~4.7	15~175	7.5~1.8	6.2~1.8

