Features

1. Ideal for high density surface mount applications as magnetic shield eliminates crosstalk.
2. Highly reliable in wide temperature and humidity range. Superior Q characteristics in wide frequency.
3. Terminal electrode has excellent solder heat resistance.
4. Lead Free (RoHS compliance).

Applications

1. Prevention of electromagnetic interference to signals on the secondary side of electronic equipment.
2. Noise Suppression in HDTV, Portable device , computers and peripheral devices.

Ordering Information

SFI	-	D	2012	-	153	-	K	J	T
(1)		(2)	(3)		(4)		(5)	(6)	(7)

(1) Series

(2) Material & Design

(3) Dimensions
The first two digits : length(㎜)
The last two digits : width(㎜)

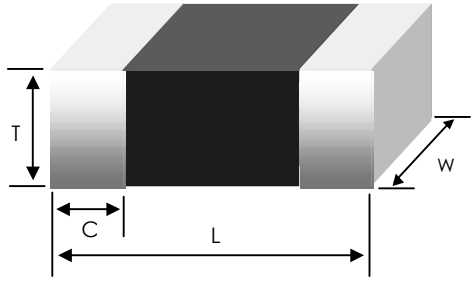
(4) Inductance
First two digits are values.
Last digit is the number of zeros following.

(5) Tolerance
K : ±10%
M: ±20%

(6) Termination
J : Nickel barrier

(7) Packing
B : Bulk Packing
T : Tape & Reel (Φ 178㎜ [7inches])
L : Tape & Reel (Φ 254㎜ [10inches])

Shape and Dimensions



Unit : mm [inches]

Type	L	W	T	C
SFI-□2012	2.0±0.2 [.079±.008]	1.25±0.2 [.049±.008]	1.25±0.2 [.049±.008]	0.50±0.30 [.020±.012]

Electrical Parameters

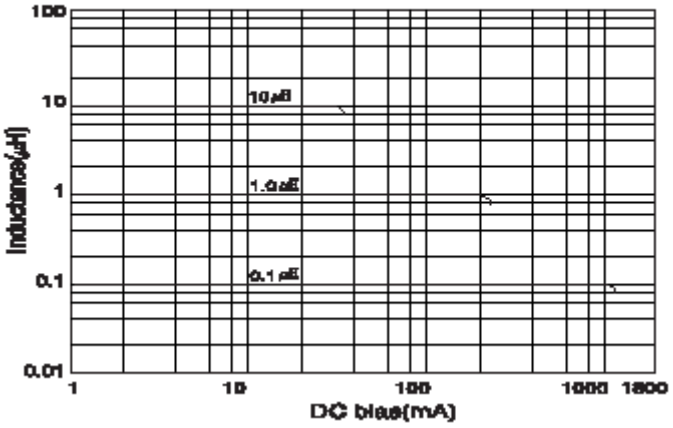
Part No.	Inductance		Q		L, Q test frequency (MHz)	SRF(MHz)		DCR(mΩ)		Rated current (mA) max.
	μH	Tolerance	min.	typ.		min.	typ.	max.	typ.	
SFI-A2012-470□□□	0.048		20	60	50	320	400	100	50	300
SFI-A2012-560□□□	0.056		20	60	50	300	380	150	80	300
SFI-A2012-680□□□	0.068		20	60	50	280	350	200	80	300
SFI-A2012-820□□□	0.082		20	60	50	255	320	200	80	300
SFI-A2012-101□□□	0.10		25	50	25	235	300	200	90	250
SFI-A2012-121□□□	0.12		25	50	25	220	280	200	65	250
SFI-A2012-151□□□	0.15		25	50	25	200	250	200	60	250
SFI-A2012-181□□□	0.18		25	50	25	185	230	200	100	250
SFI-A2012-221□□□	0.22		25	50	25	170	220	250	100	250
SFI-A2012-271□□□	0.27		25	50	25	150	200	300	150	250
SFI-A2012-331□□□	0.33		25	50	25	145	180	300	150	250
SFI-A2012-391□□□	0.39		30	50	25	135	170	400	190	200
SFI-A2012-471□□□	0.47		30	50	25	125	160	400	190	200
SFI-A2012-561□□□	0.56		30	50	25	115	150	400	280	150
SFI-A2012-681□□□	0.68		30	50	25	105	135	500	300	150
SFI-A2012-821□□□	0.82		30	50	25	100	125	600	350	150
SFI-B2012-102□□□	1.0	±10%	45	75	10	75	105	300	120	100
SFI-B2012-122□□□	1.2	±20%	45	75	10	65	95	400	140	100
SFI-B2012-152□□□	1.5		45	75	10	60	85	400	140	100
SFI-B2012-182□□□	1.8		45	75	10	55	75	400	160	100
SFI-B2012-222□□□	2.2		45	80	10	50	70	400	200	50
SFI-B2012-272□□□	2.7		45	80	10	45	65	500	250	50
SFI-B2012-332□□□	3.3		45	80	10	40	55	500	270	50
SFI-B2012-392□□□	3.9		45	80	10	38	50	1000	500	50
SFI-B2012-472□□□	4.7		45	80	10	35	48	1400	700	50
SFI-C2012-562□□□	5.6		50	60	4	32	45	500	250	50
SFI-C2012-682□□□	6.8		50	60	4	29	40	600	330	25
SFI-C2012-822□□□	8.2		50	60	4	26	36	700	380	25
SFI-C2012-103□□□	10.0		50	60	2	24	33	800	450	25
SFI-C2012-123□□□	12.0		50	60	2	22	30	800	470	25
SFI-D2012-153□□□	15.0		30	40	1	19	27	1500	750	15
SFI-D2012-183□□□	18.0		30	40	1	18	25	1500	810	15
SFI-D2012-223□□□	22.0		30	40	1	16	22	700	350	5
SFI-D2012-273□□□	27.0		30	40	1	14	20	800	450	5
SFI-D2012-333□□□	33.0		30	40	0.4	13	18	1000	600	5

* SRF : Self-Resonant Frequency. * DCR : DC Resistance

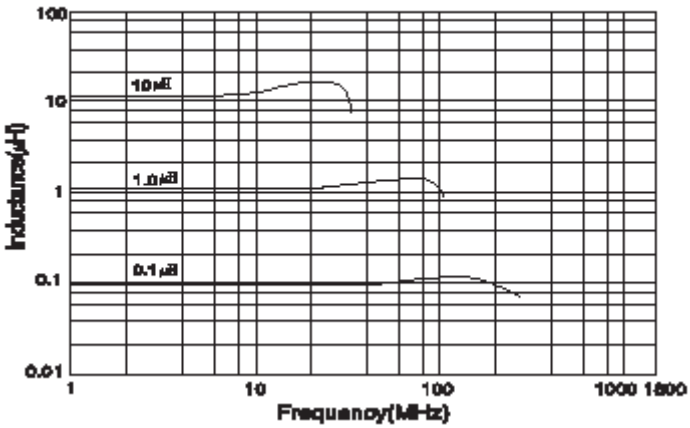
※ Parts with other Inductance Tolerance('J' ± 5%) can be provided upon Customer`s request.

Electrical Characteristic Curves

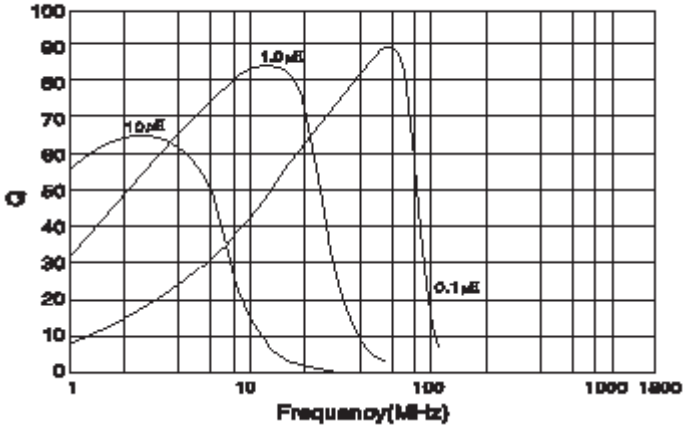
DC bias characteristics



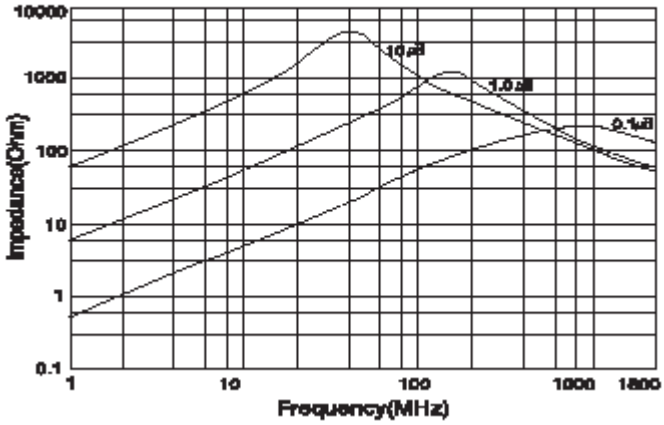
Inductance characteristics



Q characteristics



Impedance characteristics



Temperature characteristics