

### 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 - A 1608 - 680 - K J T**  
 (1) (2) (3) (4) (5) (6) (7)

**(1) Series**

**(2) Material & Design**

**(3) Dimensions**

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

**(4) Inductance**

First two digits are values.  
 Last digit is the number of zeros following.

**(5) Tolerance**

K : ±10%  
 M: ±20%

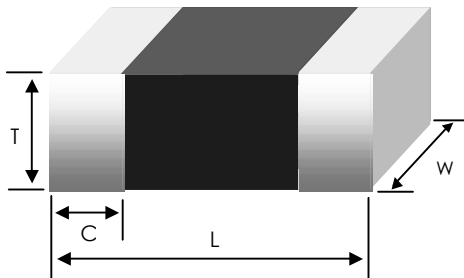
**(6) Termination**

J : Nickel barrier

**(7) Packing**

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

### Shape and Dimensions



Unit : mm [inches]

Type	L	W	T	C
SFI-□1608	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.30±0.20 [.012±.008]

### Electrical Parameters

Part No.	Inductance		Q		L, Q test frequency (MHz)	SRF(MHz)		DCR(mΩ)		Rated current (mA) max.
	μ H	Tolerance	min.	typ.		min.	typ.	max.	typ.	
SFI-A1608-270□□□	0.027	±10% ±20%	10	45	50	260	350	90	60	200
SFI-A1608-470□□□	0.047		10	45	50	260	320	150	100	200
SFI-A1608-560□□□	0.056		10	45	50	255	300	200	90	200
SFI-A1608-680□□□	0.068		10	45	50	250	290	200	90	200
SFI-A1608-820□□□	0.082		10	45	50	245	280	250	120	200
SFI-A1608-101□□□	0.10		15	30	25	240	270	250	140	200
SFI-A1608-121□□□	0.12		15	30	25	205	260	300	150	200
SFI-A1608-151□□□	0.15		15	30	25	180	250	350	180	200
SFI-A1608-181□□□	0.18		15	30	25	165	220	400	190	200
SFI-A1608-221□□□	0.22		15	30	25	150	200	400	190	200
SFI-A1608-271□□□	0.27		15	30	25	136	190	500	270	200
SFI-A1608-331□□□	0.33		15	30	25	125	180	550	280	150
SFI-A1608-391□□□	0.39		15	30	25	110	170	600	300	150
SFI-A1608-471□□□	0.47		15	30	25	105	160	700	390	150
SFI-A1608-561□□□	0.56		15	30	25	95	150	900	500	150
SFI-A1608-681□□□	0.68		15	30	25	80	140	900	500	150
SFI-A1608-821□□□	0.82		15	30	25	75	130	1600	800	100
SFI-B1608-102□□□	1.0		35	50	10	70	95	500	250	100
SFI-B1608-122□□□	1.2		35	50	10	60	80	600	250	100
SFI-B1608-152□□□	1.5		35	50	10	55	70	650	300	50
SFI-B1608-182□□□	1.8	35	50	10	50	70	750	350	50	
SFI-B1608-222□□□	2.2	35	50	10	45	60	900	450	50	
SFI-B1608-272□□□	2.7	35	50	10	40	55	1000	600	50	

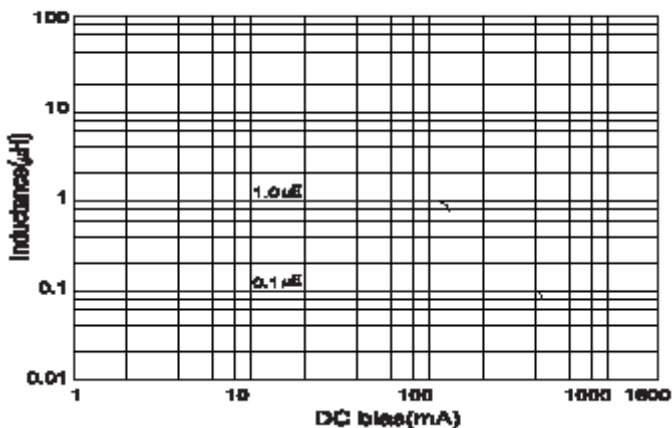
\* SRF : Self-Resonant Frequency.

\* DCR : DC Resistance

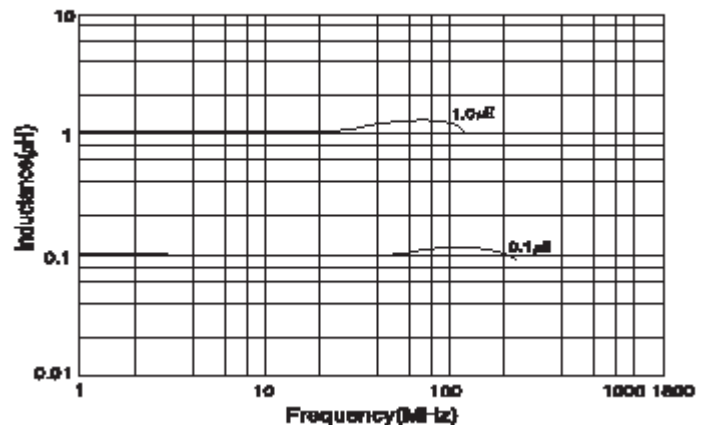
※ Parts with other Inductance Tolerance('J' ± 5%) can be provided upon customer's request.

### Electrical Characteristic Curves

DC bias characteristics

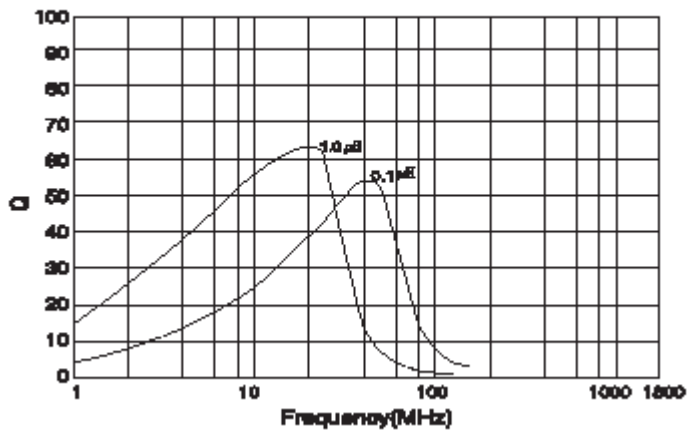


Inductance characteristics

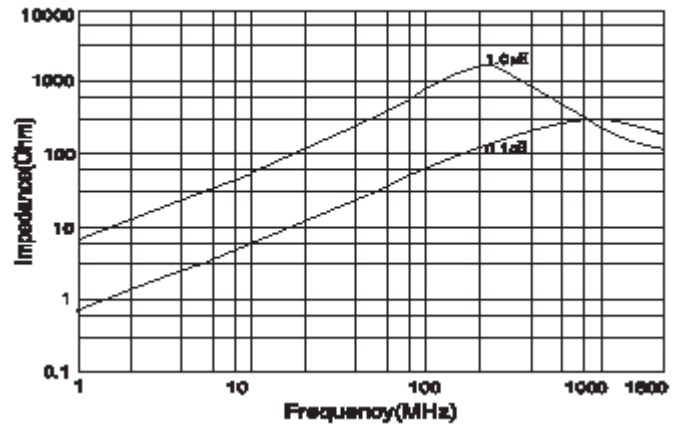


\*All specifications are subject to change without notice.

Q characteristics



Impedance characteristics



Temperature characteristics

