

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 : $\pm 10\%$
 M : $\pm 20\%$

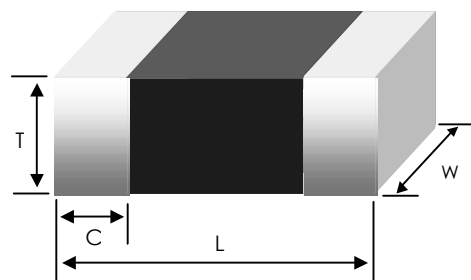
(6) Termination

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 $\pm$ 0.15 [.063 $\pm$.006]	0.8 $\pm$ 0.15 [.031 $\pm$.006]	0.8 $\pm$ 0.15 [.031 $\pm$.006]	0.30 $\pm$ 0.20 [.012 $\pm$.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

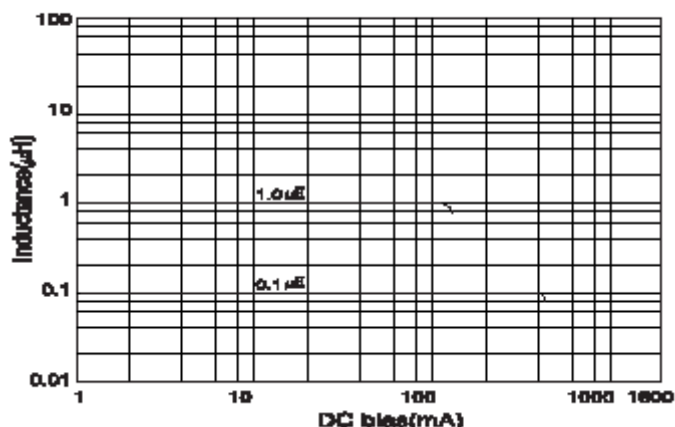
* SRF : Self-Resonant Frequency.

* DCR : DC Resistance

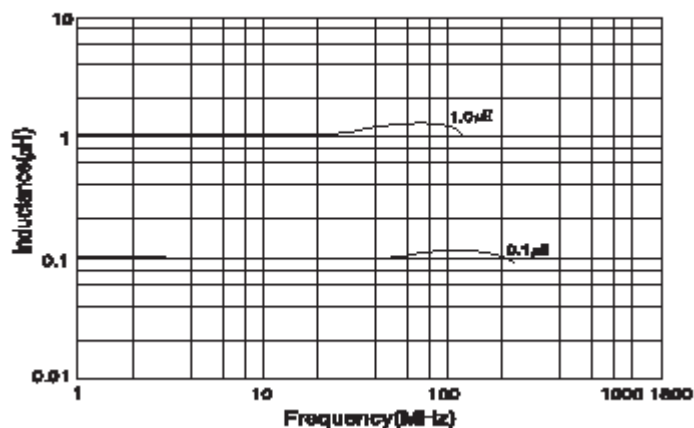
※ Parts with other Inductance Tolerance('J' ± 5%) can be provided upon customer's request.

Electrical Characteristic Curves

DC bias characteristics

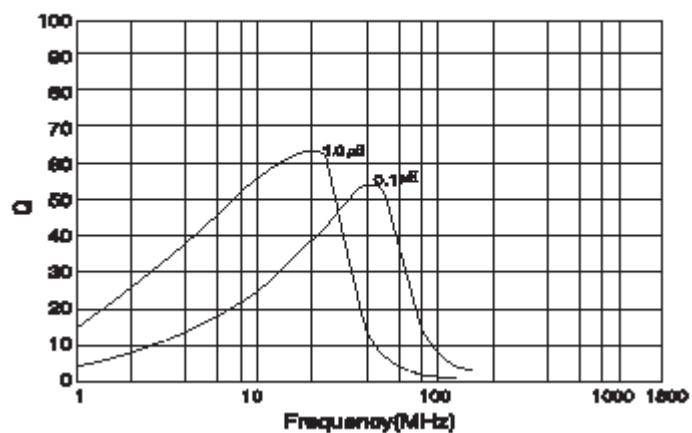


Inductance characteristics

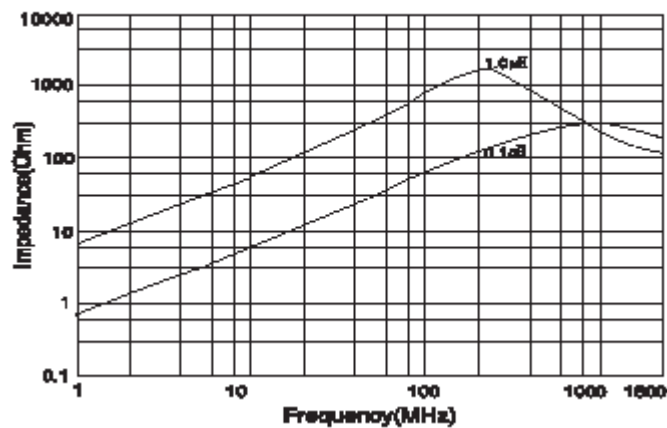


*All specifications are subject to change without notice.

Q characteristics



Impedance characteristics



Temperature characteristics

