

### 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 - C 3216 - 153 - 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**

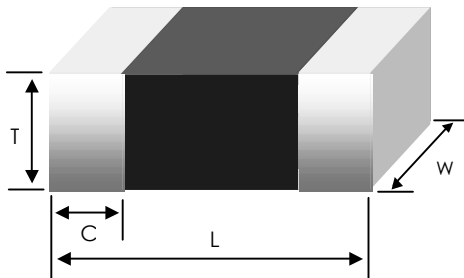
J : Nickel barrier

**(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-□3216	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	1.3±0.2 [.051±.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.
	μ H	Tolerance	min.	typ.		min.	typ.	max.	typ.	
SFI-A3216-470□□□	0.047	± 10% ± 20%	20	60	50	320	400	150	80	300
SFI-A3216-560□□□	0.056		20	60	50	300	360	150	80	300
SFI-A3216-680□□□	0.068		20	60	50	280	330	150	100	300
SFI-A3216-820□□□	0.082		20	60	50	255	300	150	100	300
SFI-A3216-101□□□	0.10		25	50	25	235	280	200	100	250
SFI-A3216-121□□□	0.12		25	50	25	220	260	200	100	250
SFI-A3216-151□□□	0.15		25	50	25	200	240	200	100	250
SFI-A3216-181□□□	0.18		25	50	25	185	220	200	100	250
SFI-A3216-221□□□	0.22		25	50	25	170	200	250	120	250
SFI-A3216-271□□□	0.27		25	50	25	150	180	250	120	250
SFI-A3216-331□□□	0.33		25	50	25	145	170	300	130	250
SFI-A3216-391□□□	0.39		30	50	25	135	160	300	150	200
SFI-A3216-471□□□	0.47		30	50	25	125	145	300	150	200
SFI-A3216-561□□□	0.56		30	50	25	115	135	350	170	150
SFI-A3216-681□□□	0.68		30	50	25	105	125	350	250	150
SFI-A3216-821□□□	0.82		30	50	25	100	115	400	300	150
SFI-B3216-102□□□	1.0		45	80	10	75	90	250	130	100
SFI-B3216-122□□□	1.2		45	80	10	65	80	300	150	100
SFI-B3216-152□□□	1.5		45	80	10	60	70	300	170	50
SFI-B3216-182□□□	1.8		45	80	10	55	66	500	250	50
SFI-B3216-222□□□	2.2		45	80	10	50	58	600	300	50
SFI-B3216-272□□□	2.7		45	80	10	45	53	600	300	50
SFI-B3216-332□□□	3.3		45	85	10	41	49	700	350	50
SFI-B3216-392□□□	3.9		45	85	10	38	45	800	400	50
SFI-B3216-472□□□	4.7		45	85	10	35	41	800	400	50
SFI-C3216-562□□□	5.6		50	65	4	32	38	600	300	50
SFI-C3216-682□□□	6.8		50	65	4	29	34	600	300	50
SFI-C3216-822□□□	8.2		50	65	4	26	31	600	330	50
SFI-C3216-103□□□	10.0		50	65	2	24	28	700	380	50
SFI-C3216-123□□□	12.0		50	65	2	22	26	900	450	25
SFI-C3216-153□□□	15.0		35	45	1	19	23	1100	550	25
SFI-C3216-183□□□	18.0		35	45	1	18	21	1500	800	25
SFI-C3216-223□□□	22.0		35	45	1	16	19	1500	800	25
SFI-C3216-273□□□	27.0	35	45	1	14	17	1500	800	25	
SFI-C3216-333□□□	33.0	35	45	0.4	13	16	1600	850	25	

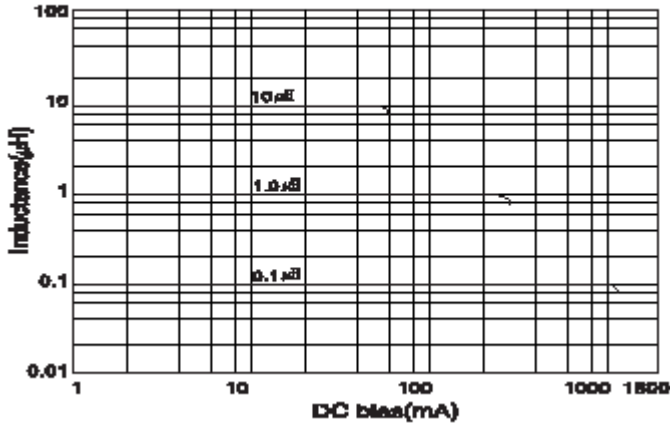
\* SRF : Self-Resonant Frequency.

\* DCR : DC Resistance

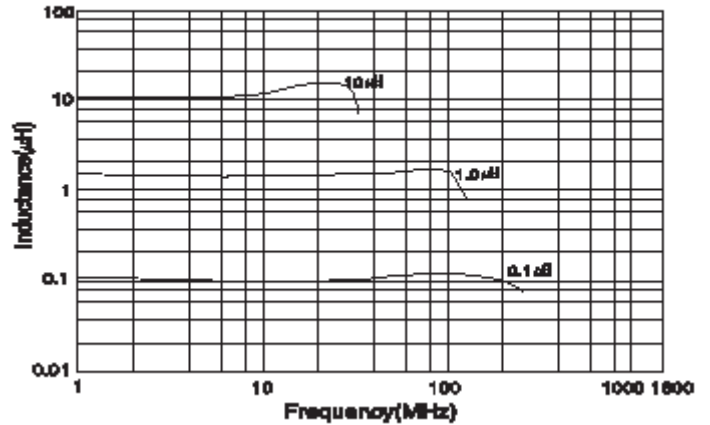
※ Parts with other Inductance Tolerance('J' ± 5%) can be provided upon Customer's request.

### Electrical Characteristic Curves

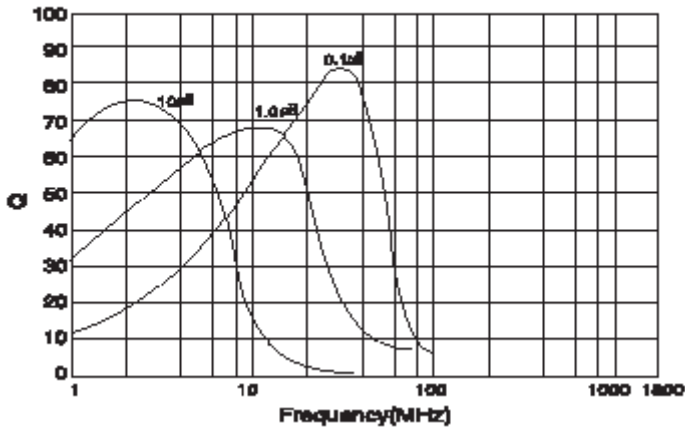
#### DC bias characteristics



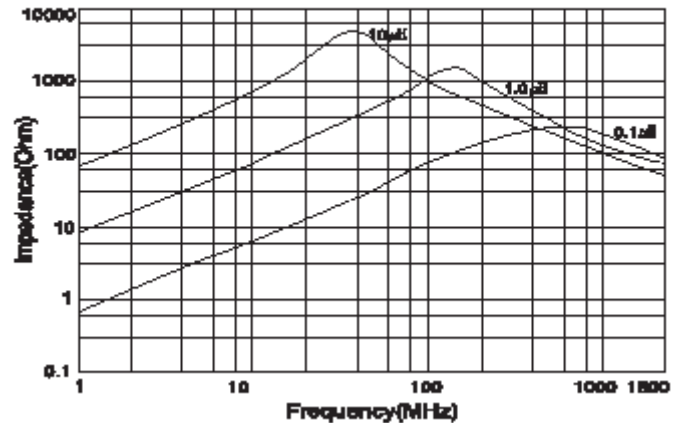
#### Inductance characteristics



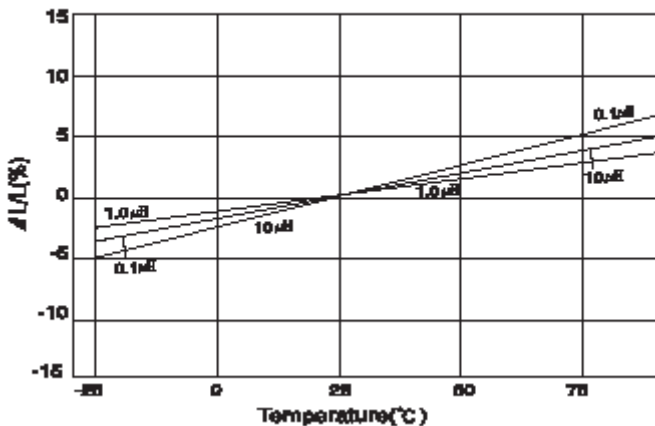
#### Q characteristics



#### Impedance characteristics



#### Temperature characteristics



※ Test equipment :  
 HP4295A + HP16334A  
 HP4291A + HP16192A