

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

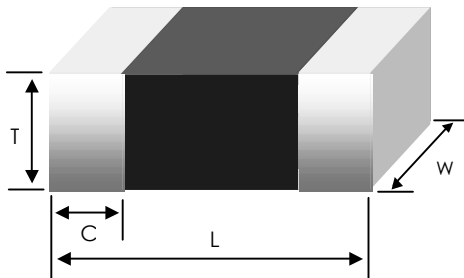
J : Nickel barrier

(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	

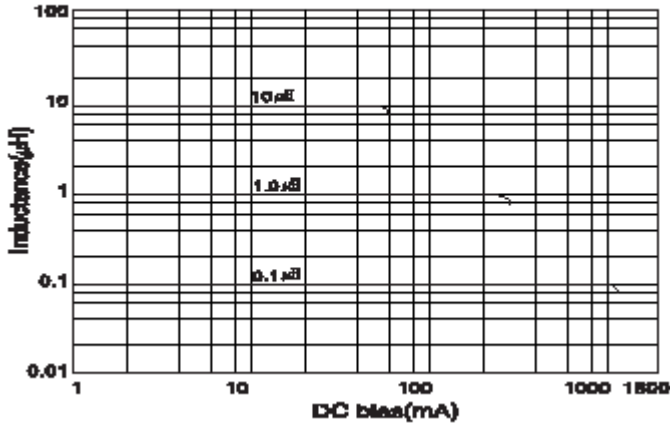
* SRF : Self-Resonant Frequency.

* DCR : DC Resistance

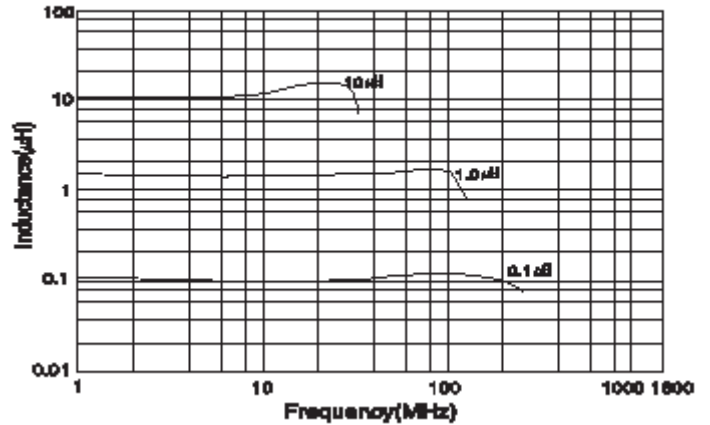
※ Parts with other Inductance Tolerance('J' ± 5%) can be provided upon Customer's request.

Electrical Characteristic Curves

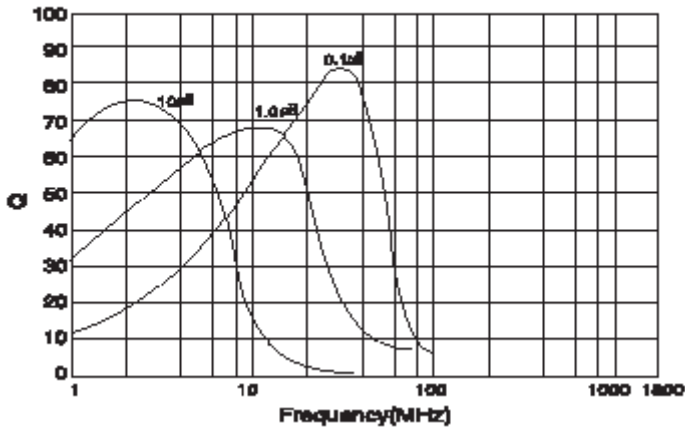
DC bias characteristics



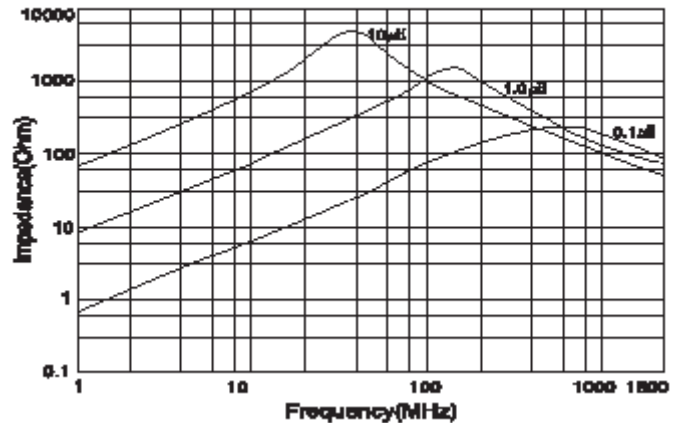
Inductance characteristics



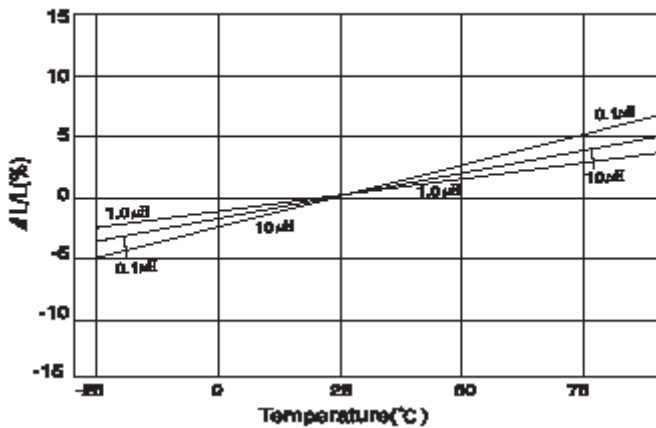
Q characteristics



Impedance characteristics



Temperature characteristics



※ Test equipment :
 HP4295A + HP16334A
 HP4291A + HP16192A

*All specifications are subject to change without notice.