

Data Sheet

Customer: _____

Product: Multilayer Ceramic Chip Inductor – SFI Series _____

Size : 0201/0402/0603 _____

Issued Date: 02-Nov.-2022 _____

Edition: Ver. 6 _____

Record of change

Date	Ver.	Description	Page
26-Sep.-2014	1		
26-Apr.-2016	2	Add Hi-Q and Hi-frequency items	
26-May.-2020	3	Revised Hi-Q items	
03-Jun.-2020	4	Revised Hi-Freq. items	
30-June-2022	5	Revised 0402/0603 Hi-Freq. items	

HITANO ENTERPRISE CORP.

7F-7, No. 3, Wu Chuan 1st Road, New Taipei Industrial Park,
New Taipei City, TAIWAN, R.O.C.

Tel: +886 2 2299 1331 (Rep.)

Fax: +886 2 2298 2466, 2298 2969

Prepared by	Checked by	Approved by	Accepted by (customer)
02-Nov.-2022	02-Nov.-2022	02-Nov.-2022	
<i>Hwa Wu</i>	<i>Andy Hsu</i>	<i>Arthur Su</i>	

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MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Introductions

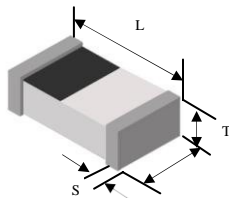
The SFI series multilayer chip inductors are widely used in high frequency application. Such as cellular phone, WLAN, RF Module, Computers and Communications peripheral.

■ Features

- * Excellent solderability and high heat resistance for either flow or reflow soldering.
- * No cross coupling between inductors due to magnetic shield. Ideal for high-density installation.
- * Superior Q characteristics guaranteed over the wide frequency allow high frequency application up to 10GHz
- * A ceramic material construction for high frequency application up to 10GHz.

Unit (mm)

■ Chip Dimension



Terminal: Ag/Ni/Sn

Size	Length (L)	Width (W)	Thickness (T)	Terminal (S)
SFI 0201	0.60 ± 0.05	0.30 ± 0.05	0.30 ± 0.05	0.12 ± 0.05
SFI 0402	1.00 ± 0.15	0.50 ± 0.15	0.50 ± 0.15	0.25 ± 0.10
SFI 0603	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.30 ± 0.20

■ Part Numbering

SFI	0603	C	T	3N3	J	□□
SERIES	SIZE	PERFORMANCE	PACKAGE	INDUCTANCE	TOLERANCE	INTERNAL CODE
	0201	C = Standard	T= Tape&Reel	N30= 0.3nH	B= ±0.10nH	
	0402	H = Hi Frequency		3N3= 3.3nH	C= ±0.20nH	
	0603	Q = Hi Q		33N= 33nH	S= ±0.30nH	
				R33= 0.33uH	G= ±2%	
					H= ±3%	
					J= ±5%	

MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Electrical Specification

■ Size 0201 Type Hi-Q Type

Part No.	Inductance	Tolerance	Q Factor	L/Q	SRF	DC Resistance	Rated Current
	(nH)		min.	Freq. (MHz)	(GHz) Min.	(Ω) Max.	(mA) Max.
SFI0201QTN30□□□	0.3	B, C	11	500	18	0.07	850
SFI0201QTN40□□□	0.4	B, C	11	500	18	0.07	850
SFI0201QTN50□□□	0.5	B, C	11	500	18	0.08	850
SFI0201QTN60□□□	0.6	B, C	11	500	18	0.08	850
SFI0201QTN70□□□	0.7	B, C	12	500	18	0.09	750
SFI0201QTN80□□□	0.8	B, C	12	500	18	0.10	750
SFI0201QTN90□□□	0.9	B, C	12	500	18	0.12	700
SFI0201QT1N0□□□	1	B, C	12	500	17	0.14	600
SFI0201QT1N1□□□	1.1	B, C	12	500	17	0.14	600
SFI0201QT1N2□□□	1.2	B, C	12	500	15	0.14	600
SFI0201QT1N3□□□	1.3	B, C	12	500	15	0.15	600
SFI0201QT1N4□□□	1.4	B, C	12	500	14	0.15	600
SFI0201QT1N5□□□	1.5	B, C	12	500	13.5	0.15	600
SFI0201QT1N6□□□	1.6	B, C	12	500	13	0.15	600
SFI0201QT1N7□□□	1.7	B, C	12	500	12.5	0.19	500
SFI0201QT1N8□□□	1.8	B, C	12	500	12.5	0.20	500
SFI0201QT1N9□□□	1.9	B, C	12	500	12.5	0.20	450
SFI0201QT2N0□□□	2	B, C	12	500	12.5	0.20	450
SFI0201QT2N1□□□	2.1	B, C	12	500	12	0.22	450
SFI0201QT2N2□□□	2.2	B, C	12	500	12	0.22	450
SFI0201QT2N3□□□	2.3	B, C	12	500	11.5	0.24	450
SFI0201QT2N4□□□	2.4	B, C	12	500	11	0.25	450
SFI0201QT2N5□□□	2.5	B, C	12	500	11	0.25	450
SFI0201QT2N6□□□	2.6	B, C	12	500	11	0.25	450
SFI0201QT2N7□□□	2.7	B, C	12	500	11	0.25	450
SFI0201QT2N8□□□	2.8	B, C	12	500	9.5	0.25	450
SFI0201QT2N9□□□	2.9	B, C	12	500	9.5	0.25	450
SFI0201QT3N0□□□	3	B, C	12	500	9.5	0.25	450
SFI0201QT3N1□□□	3.1	B, C	12	500	9.5	0.30	450
SFI0201QT3N2□□□	3.2	B, C	12	500	9.5	0.30	450
SFI0201QT3N3□□□	3.3	B, C	12	500	9.5	0.30	400
SFI0201QT3N4□□□	3.4	B, C	12	500	8	0.30	400
SFI0201QT3N5□□□	3.5	B, C	12	500	8	0.30	400
SFI0201QT3N6□□□	3.6	B, C	12	500	8	0.30	400
SFI0201QT3N7□□□	3.7	B, C	12	500	7	0.30	400
SFI0201QT3N8□□□	3.8	B, C	12	500	7	0.35	350
SFI0201QT3N9□□□	3.9	B, C	12	500	6.5	0.35	350
SFI0201QT4N3□□□	4.3	H, J	12	500	6.5	0.40	350
SFI0201QT4N7□□□	4.7	H, J	12	500	6.5	0.40	350
SFI0201QT5N1□□□	5.1	H, J	12	500	6.5	0.40	350
SFI0201QT5N6□□□	5.6	H, J	12	500	6	0.44	300
SFI0201QT6N2□□□	6.2	H, J	12	500	6	0.50	300
SFI0201QT6N8□□□	6.8	H, J	12	500	5.4	0.53	300
SFI0201QT7N5□□□	7.5	H, J	12	500	4.8	0.55	250
SFI0201QT8N2□□□	8.2	H, J	12	500	4.8	0.62	250
SFI0201QT9N1□□□	9.1	H, J	12	500	4.5	0.65	250
SFI0201QT10N□□□	10	H, J	11	500	4.0	0.70	250
SFI0201QT12N□□□	12	H, J	11	500	3.7	0.75	250
SFI0201QT15N□□□	15	H, J	11	500	3.1	0.85	250
SFI0201QT18N□□□	18	H, J	11	500	2.8	1.00	200
SFI0201QT22N□□□	22	H, J	9	500	2.5	1.20	150
SFI0201QT27N□□□	27	H, J	9	500	1.8	1.80	140
SFI0201QT33N□□□	33	H, J	7	300	1.7	2.10	120
SFI0201QT39N□□□	39	H, J	7	300	1.5	2.40	120

* Tolerance: B=±0.1nH, C=±0.2nH, S=±0.3nH, H=±3%, J=±5%

* Operating Temperature: -55°C to +125°C

* Unspecified values are available on request.

MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Size 0402 Standard Type

Part No.	Inductance	Tolerance	Q Factor	L/Q	Q (Typical) // Freq.(MHz)			SRF	RDC	IDC
	(nH)				min.	Freq. (MHz)	100			
SFI0402CT1N0□□□	1	S	8	100	11	34	36	10	0.1	400
SFI0402CT1N1□□□	1.1	S	8	100	11	34	36	10	0.1	400
SFI0402CT1N2□□□	1.2	S	8	100	11	34	36	10	0.1	400
SFI0402CT1N3□□□	1.3	S	8	100	11	34	36	10	0.1	400
SFI0402CT1N5□□□	1.5	S	8	100	11	34	36	6	0.1	300
SFI0402CT1N6□□□	1.6	S	8	100	11	32	35	6	0.1	300
SFI0402CT1N8□□□	1.8	S	8	100	11	30	34	6	0.1	300
SFI0402CT2N0□□□	2	S	8	100	10	29	33	6	0.2	300
SFI0402CT2N2□□□	2.2	S	8	100	10	29	33	6	0.2	300
SFI0402CT2N4□□□	2.4	S	8	100	10	29	32	6	0.2	300
SFI0402CT2N7□□□	2.7	S	8	100	10	29	32	6	0.2	300
SFI0402CT3N0□□□	3	S	8	100	10	29	32	6	0.2	300
SFI0402CT3N3□□□	3.3	S	8	100	10	29	32	6	0.2	300
SFI0402CT3N6□□□	3.6	S	8	100	10	28	31	4	0.2	300
SFI0402CT3N9□□□	3.9	S	8	100	10	28	31	4	0.2	300
SFI0402CT4N3□□□	4.3	S	8	100	10	28	31	4	0.2	300
SFI0402CT4N7□□□	4.7	S	8	100	10	28	31	4	0.2	300
SFI0402CT5N1□□□	5.1	S	8	100	10	28	30	4	0.3	300
SFI0402CT5N6□□□	5.6	S	8	100	10	28	30	4	0.3	300
SFI0402CT6N2□□□	6.2	S	8	100	10	27	30	3.9	0.3	300
SFI0402CT6N8□□□	6.8	J, K	8	100	10	27	30	3.9	0.3	300
SFI0402CT7N5□□□	7.5	J, K	8	100	10	27	30	3.7	0.4	300
SFI0402CT8N2□□□	8.2	J, K	8	100	10	27	30	3.6	0.4	300
SFI0402CT9N1□□□	9.1	J, K	8	100	10	27	30	3.4	0.4	300
SFI0402CT10N□□□	10	J, K	8	100	10	27	30	3.2	0.4	300
SFI0402CT12N□□□	12	J, K	8	100	10	26	29	2.7	0.5	300
SFI0402CT15N□□□	15	J, K	8	100	10	26	28	2.3	0.5	300
SFI0402CT18N□□□	18	J, K	8	100	10	25	27	2.1	0.6	300
SFI0402CT20N□□□	20	J, K	8	100	10	25	26	2	0.6	300
SFI0402CT22N□□□	22	J, K	8	100	10	25	25	1.9	0.6	300
SFI0402CT27N□□□	27	J, K	8	100	10	25	23	1.6	0.7	300
SFI0402CT33N□□□	33	J, K	8	100	10	22	22	1.3	0.8	200
SFI0402CT39N□□□	39	J, K	8	100	10	22	19	1.2	1	200
SFI0402CT43N□□□	43	J, K	8	100	10	21	16	1.1	1.1	200
SFI0402CT47N□□□	47	J, K	8	100	10	21	16	1	1.1	200
SFI0402CT56N□□□	56	J, K	8	100	10	18	13	0.75	1.2	200
SFI0402CT68N□□□	68	J, K	8	100	10	18	9	0.75	1.4	180
SFI0402CT82N□□□	82	J, K	8	100	10	13	-	0.75	2.4	150
SFI0402CTR10□□□	100	J, K	8	100	10	12	-	0.7	2.6	150
SFI0402CTR12□□□	120	J, K	8	100	10	-	-	0.6	2.8	150
SFI0402CTR15□□□	150	J, K	8	100	10	-	-	0.55	3.2	100
SFI0402CTR18□□□	180	J, K	8	100	10	-	-	0.5	3.7	100
SFI0402CTR22□□□	220	J, K	8	100	12	-	-	0.45	4	100
SFI0402CTR27□□□	270	J, K	8	100	12	-	-	0.4	4.5	100
SFI0402CTR33□□□	330	J, K	6	50	-	-	-	0.35	7	50

*** Tolerance: S=±0.3nH, J=±5%, K=±5% Operating Temperature: -55°C to +125°C Unspecified values are available on request.

■ Size 0603 Standard Type

Part No.	Inductance (nH)	Tolerance	Q Factor min.	L/Q Freq. (MHz)	Q (Typical) // Freq.(MHz)			SRF (GHz) Min.	RDC (Ω) Max.	IDC (mA) Max.
					100	800	1000			
SFI0603CT1N0□□□	1	S	8	100	13	70	80	10	0.05	500
SFI0603CT1N2□□□	1.2	S	8	100	13	60	70	10	0.05	500
SFI0603CT1N5□□□	1.5	S	8	100	13	47	68	6	0.1	500
SFI0603CT1N8□□□	1.8	S	8	100	13	45	61	6	0.1	500
SFI0603CT2N2□□□	2.2	S	8	100	13	45	60	6	0.1	500
SFI0603CT2N7□□□	2.7	S	10	100	13	44	55	6	0.12	500
SFI0603CT3N3□□□	3.3	S	10	100	13	43	50	6	0.15	500
SFI0603CT3N9□□□	3.9	S	10	100	13	43	50	6	0.16	500
SFI0603CT4N7□□□	4.7	S	10	100	13	43	50	6	0.2	500
SFI0603CT5N6□□□	5.6	S	10	100	14	42	48	5	0.25	500
SFI0603CT6N8□□□	6.8	J, K	10	100	14	43	50	5	0.3	500
SFI0603CT8N2□□□	8.2	J, K	10	100	14	43	48	4.5	0.35	500
SFI0603CT10N□□□	10	J, K	12	100	15	45	50	3.5	0.4	300
SFI0603CT12N□□□	12	J, K	12	100	18	48	50	3	0.45	300
SFI0603CT15N□□□	15	J, K	12	100	18	48	50	2.3	0.5	300
SFI0603CT18N□□□	18	J, K	12	100	16	48	51	2.2	0.55	300
SFI0603CT22N□□□	22	J, K	12	100	16	45	48	2	0.6	300
SFI0603CT27N□□□	27	J, K	12	100	16	45	45	1.7	0.65	300
SFI0603CT33N□□□	33	J, K	12	100	16	45	41	1.5	0.7	300
SFI0603CT39N□□□	39	J, K	12	100	17	40	48	1.4	0.7	300
SFI0603CT47N□□□	47	J, K	12	100	17	35	35	1.2	0.7	300
SFI0603CT56N□□□	56	J, K	12	100	17	35	30	1.1	0.75	300
SFI0603CT68N□□□	68	J, K	12	100	17	30	20	0.9	0.85	300
SFI0603CT82N□□□	82	J, K	8	100	15	22	-	0.8	1	300
SFI0603CTR10□□□	100	J, K	8	100	15	16	-	0.7	1.2	300
SFI0603CTR12□□□	120	J, K	8	50	15	-	-	0.6	1.4	200
SFI0603CTR15□□□	150	J, K	8	50	15	-	-	0.5	1.6	200
SFI0603CTR18□□□	180	J, K	8	50	15	-	-	0.4	1.9	200
SFI0603CTR22□□□	220	J, K	8	50	15	-	-	0.35	2.4	200
SFI0603CTR27□□□	270	J, K	8	50	16	-	-	0.35	2.6	150
SFI0603CTR33□□□	330	J, K	8	50	16	-	-	0.35	2.8	150
SFI0603CTR39□□□	390	J, K	8	50	16	-	-	0.3	3.2	150
SFI0603CTR43□□□	430	J, K	8	50	16	-	-	0.28	3.4	150
SFI0603CTR47□□□	470	J, K	8	50	15	-	-	0.25	3.6	150
SFI0603CTR56□□□	560	J, K	8	50	15	-	-	0.25	4	100
SFI0603CTR68□□□	680	J, K	8	50	15	-	-	0.25	4.5	100

* Tolerance: S=±0.3nH, J=±5%, K=±5%
 * Operating Temperature: -40°C to +85°C
 * Unspecified values are available on request.

MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Size 0402 Hi-frequency Type

Part No.	Inductance (nH)	Tolerance	Quality Factor /min.	L/Q Freq. (MHz)	Q(Typical) Freq.(MHz)						SRF (GHz) min.	RDC (Ω)max.	IDC (mA) max.
					100	300	500	800	1000	1800			
SFI0402HT1N0□□□	1.0	S	5	100	9	16	20	25	28	31	>8.50	0.10	500
SFI0402HT1N2□□□	1.2	S	5	100	9	15	18	24	27	31	>8.50	0.12	500
SFI0402HT1N5□□□	1.5	S	5	100	7	12	16	20	21	29	>8.50	0.15	500
SFI0402HT1N8□□□	1.8	S	5	100	7	12	16	20	21	29	>8.50	0.17	500
SFI0402HT2N2□□□	2.2	S	5	100	7	12	16	20	21	30	>8.50	0.17	500
SFI0402HT2N7□□□	2.7	S	5	100	7	12	16	20	21	29	>8.50	0.20	500
SFI0402HT3N3□□□	3.3	S	5	100	7	12	15	19	20	27	>8.50	0.22	400
SFI0402HT3N9□□□	3.9	S	5	100	7	12	15	20	21	28	7.50	0.25	400
SFI0402HT4N7□□□	4.7	S	5	100	7	12	15	19	20	27	6.50	0.28	400
SFI0402HT5N6□□□	5.6	S	5	100	8	12	15	20	22	30	6.50	0.30	400
SFI0402HT6N8□□□	6.8	J,K	5	100	8	12	15	20	22	30	6.50	0.35	400
SFI0402HT8N2□□□	8.2	J,K	5	100	8	12	15	19	21	30	6.50	0.38	350
SFI0402HT10N□□□	10	J,K	5	100	8	13	16	21	23	32	4.70	0.42	350
SFI0402HT12N□□□	12	J,K	5	100	8	13	16	20	23	27	4.30	0.47	350
SFI0402HT15N□□□	15	J,K	5	100	8	12	15	19	22	28	4.00	0.50	300
SFI0402HT18N□□□	18	J,K	5	100	8	13	16	21	24	32	4.00	0.60	250
SFI0402HT22N□□□	22	J,K	5	100	8	13	17	22	26	31	3.50	0.70	200
SFI0402HT27N□□□	27	J,K	5	100	8	14	18	23	26	32	3.00	0.80	200
SFI0402HT33N□□□	33	J,K	5	100	8	14	17	23	27	32	2.50	0.90	200
SFI0402HT39N□□□	39	J,K	5	100	8	14	18	23	27	32	2.00	1.00	200
SFI0402HT47N□□□	47	J,K	7	100	9	14	18	22	24	29	2.40	2.20	100
SFI0402HT56N□□□	56	J,K	7	100	9	14	18	23	24	29	2.30	2.50	100
SFI0402HT68N□□□	68	J,K	7	100	9	14	17	22	24	29	2.20	2.70	100
SFI0402HT82N□□□	82	J,K	7	100	8	13	17	20	20	16	2.10	2.90	100
SFI0402HTR10□□□	100	J,K	7	100	8	13	17	20	20	13	2.00	3.20	100

* Tolerance: S=±0.3nH, J=±5%, K=±10%
 * Operating Temperature: -55°C to +125°C
 * Unspecified values are available on request.

MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Size 0603 Hi-frequency Type

Part No.	Inductance (nH)	Tolerance	Quality Factor /min.	L/Q Freq (MHz)	Q(Typical) Freq.(MHz)						SRF (GHz) min.	RDC (Ω)max.	IDC (mA)max.
					100	300	500	800	1000	1800			
SFI0603HT10N□□□	10	J	8	100	10	22	28	35	39	45	>6.00	0.6	500
SFI0603HT12N□□□	12	J	8	100	10	18	23	26	32	42	6.00	0.7	500
SFI0603HT15N□□□	15	J	8	100	12	22	28	35	39	42	5.50	0.8	500
SFI0603HT18N□□□	18	J	8	100	10	18	22	25	30	43	5.20	0.9	300
SFI0603HT22N□□□	22	J	8	100	12	21	27	34	37	37	5.00	1.0	300
SFI0603HT27N□□□	27	J	8	100	10	18	24	26	32	38	4.80	1.2	300
SFI0603HT33N□□□	33	J	8	100	12	21	27	33	35	31	4.50	1.4	300
SFI0603HT39N□□□	39	J	8	100	11	20	26	32	34	29	4.00	1.5	200
SFI0603HT47N□□□	47	J	8	100	12	20	26	31	34	27	3.50	1.6	200
SFI0603HT56N□□□	56	J	8	100	11	20	26	31	34	24	3.00	1.8	200
SFI0603HT68N□□□	68	J	8	100	10	18	21	24	28	20	2.80	2.0	200
SFI0603HT82N□□□	82	J	8	100	10	19	22	26	26	15	2.50	2.2	200
SFI0603HTR10□□□	100	J	8	100	10	19	24	27	25	-	2.00	2.5	150
SFI0603HTR12□□□	120	J	8	100	10	19	23	26	24	-	1.60	2.8	150
SFI0603HTR15□□□	150	J	8	100	10	18	24	26	23	-	1.40	3.0	150
SFI0603HTR18□□□	180	J	8	100	10	17	22	23	-	-	1.00	3.4	150

* Tolerance: J=±5%

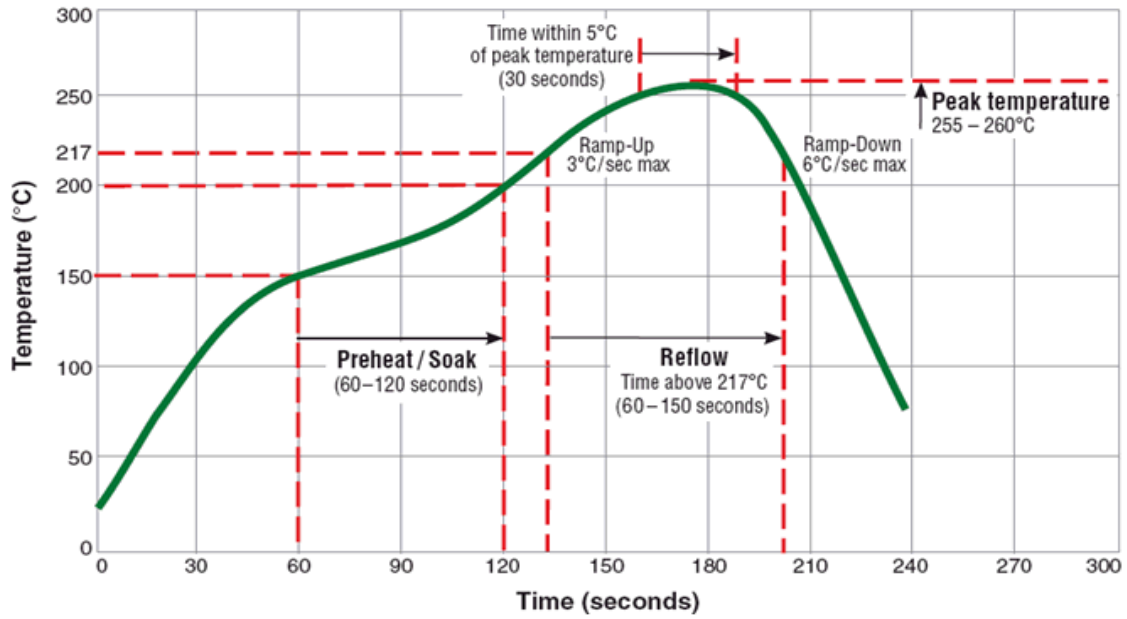
* Operating Temperature: -40°C to +85°C

* Unspecified values are available on request.

■ **Soldering Profile**

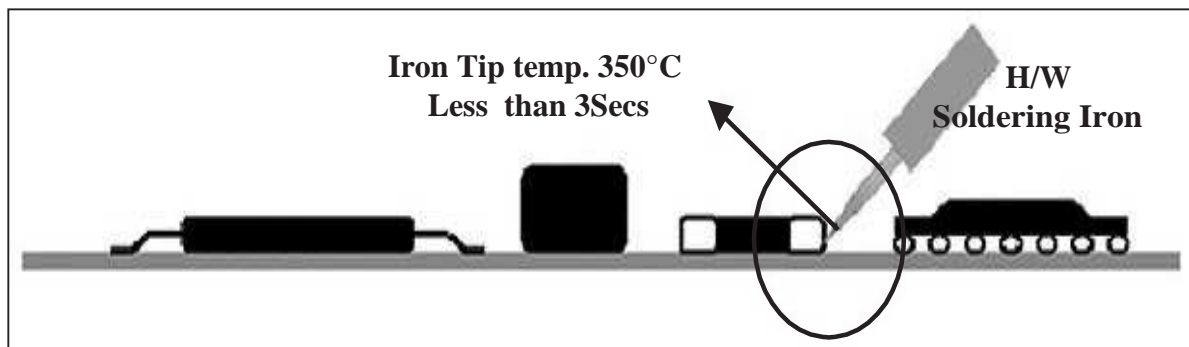
Reflow Soldering

Typical RoHS Reflow Profile



Manual Soldering

Soldering iron tip temperature: 350°C max / within 3 seconds.



MULTILAYER CHIP INDUCTOR

SFI SERIES

■ Specification & Test Method

Mechanical Characteristics

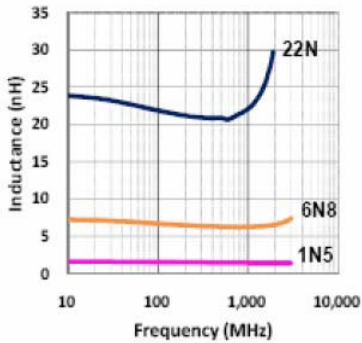
Item	Requirement	Test Condition
Bending Strength	No mechanical damage shall be observed	<p>Solder the chip to test jig then apply a force in the direction shown in below. The soldering shall be done with the reflow method and shall be conducted with care so that the soldering is uniform and free of defects such as heat shock.</p> <p>Mounting Samples</p>
Solderability	More than 75% of the terminal electrode part shall be covered with fresh solder	Immerse a test sample into a methanol solution containing rosin, preheat it at 150 to 180°C for 3 to 5 seconds and immerse into molten solder of 245±5°C for 5±0.5 seconds.
Resistance to Soldering Heat	No visible damage	Immerse a test sample into a methanol solution containing resin, preheat it at 150 to 180°C for 2 to 3 minutes and immerse into molten solder of 260±5°C for 10±0.5 seconds so that both terminal electrodes are completely submerged.
Appearance	In accordance with specification	Inductors shall be visually inspected for visible evidence of defect

Electrical Characteristics

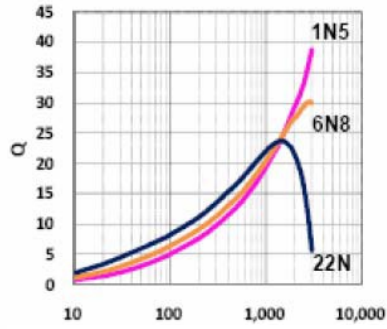
Item	Requirement	Test Condition
Inductance	In Within specified tolerance	<p>Temperature: 20±1°C Relative Humidity: 45 to 85%RH Atmospheric Pressure: 86 to 106kpa Measuring equipment and fixture: 0201: E991A+HP16197A 0402& 0603: E991A+HP16192A Test Signal: -20dBm or 50mV Test compensation(for 0201 high Q): Product true value= test value + compensation value. for $L < 3.6\text{nH}$, compensation value is 0.25nH; for $3.6\text{nH} \leq L < 6.8\text{nH}$, compensation value is 0.43nH; for $6.8\text{nH} \leq L < 9.1\text{nH}$, compensation value is 0.5nH; for</p>
Q Value	In accordance with electrical specification	<p>Temperature: 20±1°C Relative Humidity: 45 to 85%RH Atmospheric Pressure: 86 to 106kpa</p>
DC Resistance	In accordance with electrical specification	<p>Temperature: 20±1°C Relative Humidity: 45 to 85%RH Atmospheric Pressure: 86 to 106kpa Measuring</p>

Typical Electrical Characteristic

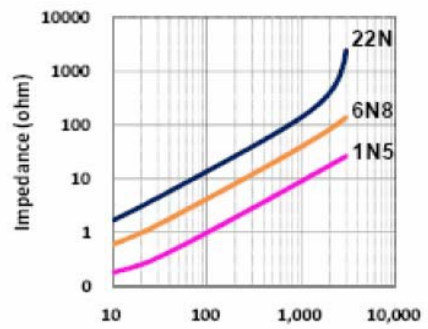
L vs Frequency SFI0201 Hi-Q



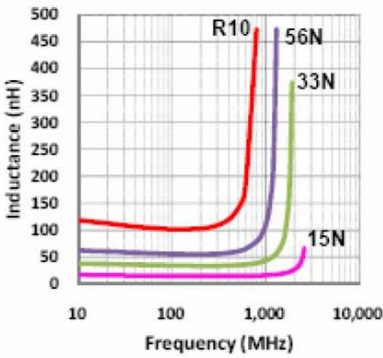
Q vs Frequency SFI0201 Hi-Q



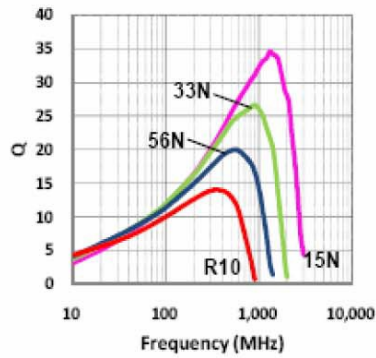
Z vs Frequency SFI0201 Hi-Q



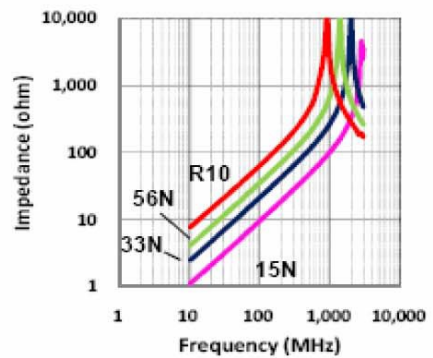
L vs Frequency SFI0402 Hi-Freq.



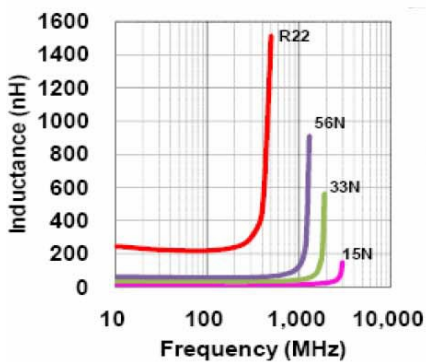
Q vs Frequency SFI0402 Hi-Freq.



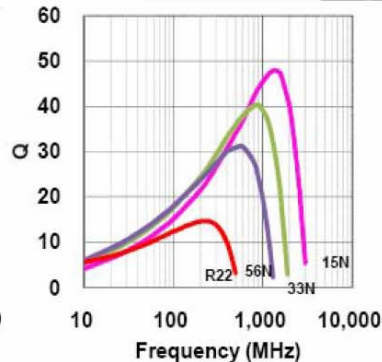
Z vs Frequency SFI0402 Hi-Freq.



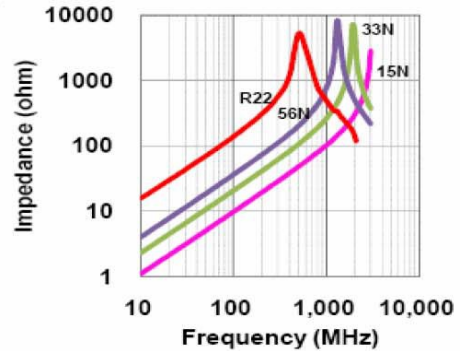
L vs Frequency SFI0603 Hi-Freq.



Q vs Frequency SFI0603 Hi-Freq.



Z vs Frequency SFI0603 Hi-Freq.



MULTILAYER CHIP INDUCTOR

SFI SERIES

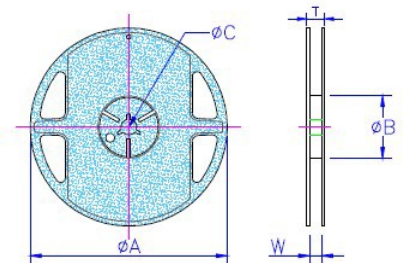
Climatic Characteristics

Item	Requirements	Test Condition
Thermal Shock	No visible damage Inductance variation within 10% Q variation within 20%	0201/0402 series: -55°C for 30±3 min→125°C for 30±3 min 0603 series: -40°C for 30±3 min→85°C for 30±3 min Transforming interval: max. 20 seconds Test cycle: 100 cycle The chip shall be stabilized at normal condition for 1~2 hours Before measuring
Damp Heat (Steady States)	No visible damage. Inductance variation within 10%. Q variation within 20%.	Temperature: 60±2°C Humidity: 90~95% RH. Time: 1000±24 hours The chip shall be stabilized at normal condition for 1~2 hours Before measuring
Loading Under Damp Heat	No visible damage. Inductance variation within 10%. Q variation within 20%.	Temperature: 60±2°C Humidity: 90~95% RH. Time: 1000±24 hours Applied current: Rated current The chip shall be stabilized at normal condition for 1~2 hours Before measuring
Loading at High Temperature (Life Test)	No visible damage. Inductance variation within 10%. Q variation within 20%.	Temperature: 0201/0402 series: 125±2°C; 0603 series: 85±2°C Time: 1000±24 hours Applied current: Rated current The chip shall be stabilized at normal condition for 1~2 hours Before measuring

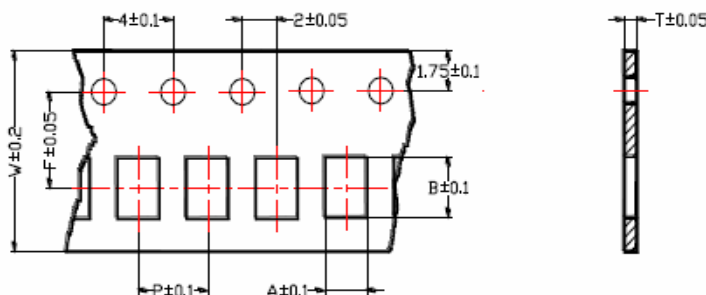
• Packaging

Packaging Quantity & Reel Specifications

Type	ΦA	ΦB	ΦC	W	T	Quantity (EA)
SFI0201	178±2.0	60±0.5	13±0.3	9±0.3	12±1.0	15000
SFI0402	178±2.0	60±0.5	13±0.3	9±0.3	12±1.0	10000
SFI0603	178±2.0	60±0.5	13±0.3	9±0.3	12±1.0	4000



Taping Specifications



Unit: mm

Type	A	B	T	W	P	F
SFI0201	0.38	0.68	0.42	8	2	3.5
SFI0402	0.65	1.12	0.60	8	2	3.5
SFI0603	1.10	1.80	0.95	8	4	3.5