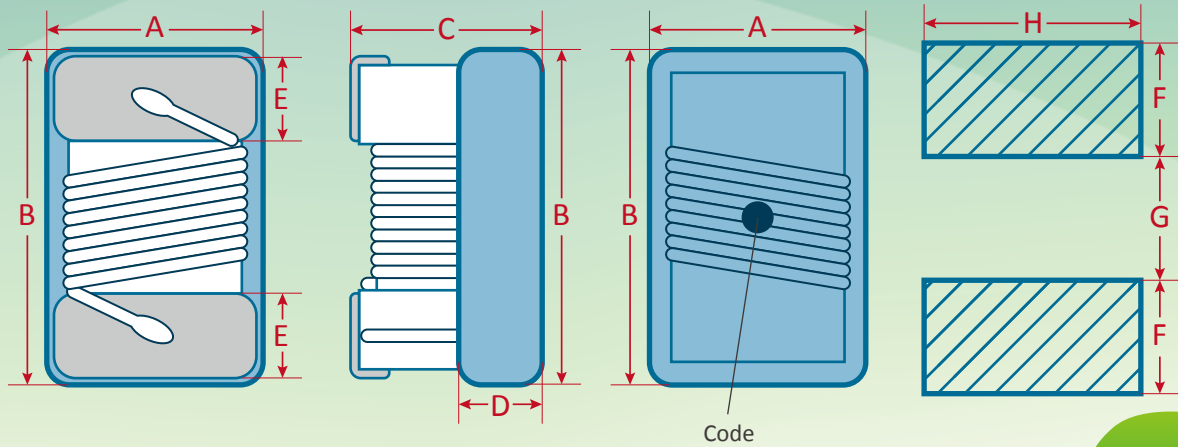


FSR Series

Surface Mountable Type

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
FSR05	1.65 Max.	2.4 Max.	1.2±0.1	0.65 Ref.	0.44	1.02 Typ.	0.76 Typ.	1.78 Typ.
FSR05-B	1.65 Max.	2.4 Max.	1.2±0.1	0.65 Ref.	0.44±0.1	1.02 Typ.	0.76 Typ.	1.78 Typ.
FSR05-H	1.65 Max.	2.4 Max.	1.2±0.1	0.65 Ref.	0.44±0.1	1.02 Typ.	0.76 Typ.	1.78 Typ.

FSR05


Part No.	Inductance		Q		DCR(mΩ) Max.	SRF(MHz) Min.	Idc(A) Max.	Tolerance (±%)	Color Coding
	(uH)	(MHz)	Min.	(MHz)					
FSR05KTR10	0.1	25	20	25	100	1400	1.7	10	White
FSR05KTR11	0.11	25	25	25	100	1200	1.7	10	White
FSR05KTR12	0.12	25	25	25	180	1000	1.5	10	Violet
FSR05KTR15	0.15	25	25	25	180	1000	1.4	10	Gray
FSR05KTR18	0.18	25	30	25	200	1000	1.4	10	Black
FSR05KTR22	0.22	25	30	25	250	830	1.35	10	Brown
FSR05KTR27	0.27	25	30	25	380	800	1.3	10	Red
FSR05KTR33	0.33	25	30	25	350	750	1.2	10	Orange
FSR05KTR39	0.39	25	30	25	350	700	1.16	10	Yellow
FSR05KTR47	0.47	25	30	25	400	690	1.1	10	Green
FSR05KTR56	0.56	25	30	25	400	640	1.04	10	Blue
FSR05KTR62	0.62	25	30	25	450	640	0.98	10	Brown
FSR05KTR68	0.68	25	30	25	500	510	0.9	10	Violet
FSR05KTR82	0.82	25	30	25	500	500	0.9	10	Gray
FSR05KTR91	0.91	25	30	25	550	500	0.9	10	Yellow
FSR05KT1R0	1.0	7.9	20	7.9	500	470	0.84	10	White
FSR05KT1R2	1.2	7.9	20	7.9	750	400	0.8	10	Black
FSR05KT1R5	1.5	7.9	25	7.9	1000	400	0.72	10	Brown
FSR05KT1R8	1.8	7.9	25	7.9	1000	230	0.66	10	Red
FSR05KT2R2	2.2	7.9	25	7.9	1050	200	0.6	10	Orange
FSR05KT2R7	2.7	7.9	25	7.9	1180	130	0.5	10	Yellow
FSR05KT3R3	3.3	7.9	25	7.9	1260	160	0.48	10	Green
FSR05KT3R9	3.9	7.9	25	7.9	1750	130	0.44	10	Blue



Part No.	Inductance		Q		DCR(mΩ)		SRF(MHz)		Tolerance (±%)	Color Coding
	(uH)	(MHz)	Min.	(MHz)	Max.	Min.	Max.			
FSR05KT4R7	4.7	7.9	25	7.9	1870	120	0.39	10	Violet	
FSR05KT5R6	5.6	7.9	25	7.9	2000	90	0.34	10	Gray	
FSR05KT6R8	6.8	7.9	25	7.9	2150	55	0.3	10	White	
FSR05KT8R2	8.2	7.9	25	7.9	2370	40	0.28	10	Black	
FSR05KT100	10	2.5	16	2.5	2550	40	0.26	10	Brown	
FSR05KT120	12	2.5	16	2.5	2800	37	0.22	10	Red	
FSR05KT150	15	2.5	16	2.5	3800	30	0.2	10	Orange	
FSR05KT180	18	2.5	16	2.5	4480	23	0.18	10	Yellow	
FSR05KT220	22	2.5	16	2.5	6300	20	0.16	10	Green	
FSR05KT270	27	2.5	16	2.5	6850	19	0.14	10	Blue	
FSR05KT330	33	2.5	16	2.5	7600	18	0.12	10	Violet	
FSR05KT390	39	2.5	15	2.5	8200	16	0.1	10	Gray	
FSR05KT470	47	2.5	13	2.5	13100	13	0.06	10	White	

FSR05-B 導磁係數 : 400μ

Part No.	Inductance		Q		DCR(mΩ)		SRF(MHz)		Tolerance (±%)	Color Coding
	(uH)	(MHz)	Typ.	(MHz)	±30%	Typ.	Typ.			
FSR05KTR47-B	0.47	7.9	14	7.9	120	850	1.4	1.5	10	Blue
FSR05KTR68-B	0.68	7.9	14	7.9	150	765	1.2	1.3	10	Gray
FSR05KT1R0-B	1.0	7.9	14	7.9	130	208	1.1	1.3	10	Black
FSR05KT1R2-B	1.2	7.9	14	7.9	160	159	0.96	1.27	10	Red
FSR05KT1R5-B	1.5	7.9	14	7.9	170	159	0.92	1.26	10	Brown
FSR05KT1R8-B	1.8	7.9	14	7.9	200	112	0.86	1.08	10	Orange
FSR05KT2R2-B	2.2	7.9	13	7.9	220	87	0.74	1.04	10	Red
FSR05KT2R7-B	2.7	7.9	13	7.9	250	72	0.68	1.04	10	Yellow
FSR05KT3R3-B	3.3	7.9	12	7.9	280	70	0.62	1.02	10	Orange
FSR05KT3R9-B	3.9	7.9	14	7.9	380	61	0.58	0.96	10	Green
FSR05KT4R7-B	4.7	7.9	14	7.9	430	51	0.52	0.84	10	Yellow
FSR05KT5R6-B	5.6	7.9	12	7.9	500	47	0.48	0.8	10	Blue
FSR05KT6R8-B	6.8	7.9	14	7.9	680	46	0.42	0.7	10	Green
FSR05KT8R2-B	8.2	7.9	13	7.9	730	33	0.4	0.68	10	Violet
FSR05KT100-B	10	2.5	14	2.5	850	31	0.36	0.56	10	Blue
FSR05KT120-B	12	2.5	14	2.5	900	30	0.34	0.46	10	Gray
FSR05KT150-B	15	2.5	15	2.5	1400	28	0.3	0.38	10	Violet
FSR05KT180-B	18	2.5	15	2.5	1550	27	0.28	0.36	10	White
FSR05KT220-B	22	2.5	15	2.5	1760	20	0.24	0.34	10	Gray
FSR05KT270-B	27	2.5	15	2.5	2000	17	0.22	0.3	10	Black
FSR05KT330-B	33	2.5	15	2.5	2350	17	0.2	0.3	10	White
FSR05KT470-B	47	2.5	14	2.5	3400	15	0.16	0.28	10	Black
FSR05KT560-B	56	2.5	14	2.5	4420	10	0.15	0.24	10	Yellow
FSR05KT680-B	68	2.5	14	2.5	4450	10	0.14	0.24	10	Brown
FSR05KT820-B	82	2.5	14	2.5	7500	10	0.1	0.18	10	Orange
FSR05KT101-B	100	1.0	10	1.0	7500	9.0	0.1	0.18	10	Red

FSR05-H 導磁係數 : 800 μ


Part No.	Inductance		Q		DCR(m Ω) $\pm 30\%$	SRF(MHz) Typ.	Idc(A)		Tolerance ($\pm\%$)	Color Coding
	(μ H)	(MHz)	Typ.	(MHz)			$\downarrow 10\%$ Typ.	$\uparrow 40^{\circ}\text{C}$ Typ.		
FSR05KTR10-H	0.1	7.9	9.0	7.9	70	1700	2.4	2.6	10	Black
FSR05KTR15-H	0.15	7.9	12	7.9	80	1500	1.9	2.4	10	Brown
FSR05KTR22-H	0.22	7.9	12	7.9	100	1500	1.7	2.3	10	Red
FSR05KTR47-H	0.47	7.9	14	7.9	120	850	1.4	1.9	10	Blue
FSR05KTR56-H	0.56	7.9	14	7.9	150	360	1.2	1.7	10	Violet
FSR05KTR68-H	0.68	7.9	14	7.9	150	290	1.2	1.9	10	Gray
FSR05KTR82-H	0.82	7.9	14	7.9	150	208	1.1	1.7	10	White
FSR05KT1R0-H	1.0	7.9	14	7.9	130	208	1.1	1.8	10	Black
FSR05KT1R2-H	1.2	7.9	14	7.9	160	159	0.96	1.6	10	Red
FSR05KT1R5-H	1.5	7.9	14	7.9	170	159	0.92	1.5	10	Brown
FSR05KT1R8-H	1.8	7.9	14	7.9	200	112	0.86	1.5	10	Orange
FSR05KT2R2-H	2.2	7.9	13	7.9	220	87	0.74	1.4	10	Red
FSR05KT2R7-H	2.7	7.9	13	7.9	250	72	0.68	1.3	10	Yellow
FSR05KT3R3-H	3.3	7.9	12	7.9	280	70	0.62	1.3	10	Orange
FSR05KT3R9-H	3.9	7.9	14	7.9	380	61	0.58	1.1	10	Green
FSR05KT4R7-H	4.7	7.9	14	7.9	430	51	0.52	0.99	10	Yellow
FSR05KT5R6-H	5.6	7.9	12	7.9	500	47	0.48	0.93	10	Blue
FSR05KT6R8-H	6.8	7.9	14	7.9	680	46	0.42	0.81	10	Green
FSR05KT8R2-H	8.2	7.9	13	7.9	730	33	0.4	0.8	10	Violet
FSR05KT100-H	10	2.5	14	2.5	850	31	0.36	0.68	10	Blue
FSR05KT120-H	12	2.5	14	2.5	900	30	0.34	0.63	10	Gray
FSR05KT150-H	15	2.5	15	2.5	1400	28	0.3	0.56	10	Violet
FSR05KT180-H	18	2.5	15	2.5	1550	27	0.28	0.55	10	White
FSR05KT220-H	22	2.5	15	2.5	1760	20	0.24	0.51	10	Gray
FSR05KT270-H	27	2.5	15	2.5	2000	17	0.22	0.45	10	Black
FSR05KT330-H	33	2.5	15	2.5	2350	17	0.2	0.4	10	White
FSR05KT390-H	39	2.5	14	2.5	3350	15	0.18	0.38	10	Brown
FSR05KT470-H	47	2.5	14	2.5	3400	15	0.16	0.36	10	Black
FSR05KT560-H	56	2.5	14	2.5	4420	10	0.15	0.32	10	Yellow
FSR05KT680-H	68	2.5	14	2.5	4450	10	0.14	0.32	10	Brown
FSR05KT820-H	82	2.5	14	2.5	7500	10	0.1	0.24	10	Orange
FSR05KT101-H	100	1.0	10	1.0	7500	9.0	0.1	0.23	10	Red
FSR05KT221-H	220	1.0	8.0	1.0	23100	4.0	0.07	0.15	10	Blue



FSR05-H

Ordering information

FSR - 05 - K - T - 1R0

(1) (2) (3) (4) (5)

- (1) Type : Surface Mountable Type
- (2) Size : 05(0805) is size
- (3) Tolerance : K=10%
- (4) Packaging style : Taping Reel
- (5) Inductance : R10 for 0.1uH, 1R0 for 1.0uH, 100 for 10uH, 101 for 100uH...

Characteristics

FSR05

- I_{dc} for Inductance drop 10% from its value without current
- I_{rms} for a 25°C rise above 25°C ambient
- Operating temperature range from -40°C to 85°C

FSR05-B

- I_{dc} for Inductance drop 10% from its value without current
- I_{rms} for a 15°C rise above 25°C ambient
- Operating temperature range from -25°C to 85°C

FSR05-H

- I_{dc} for Inductance drop 10% from its value without current
- I_{rms} for a 40°C rise above 25°C ambient
- Operating temperature range from -25°C to 85°C

Test equipment

FSR05

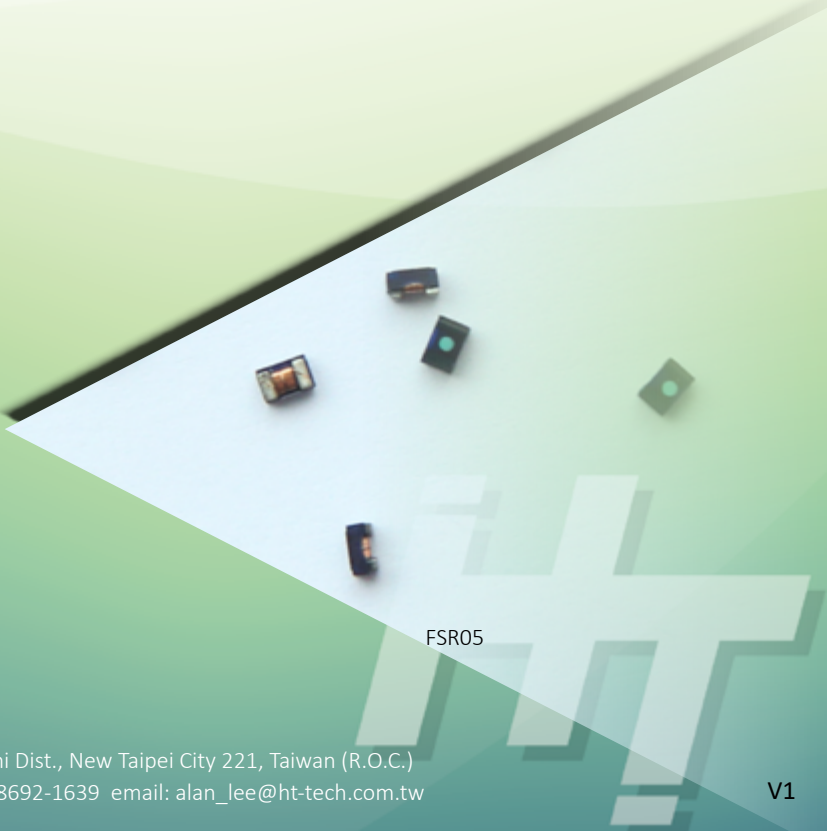
- L, Q, SRF : Agilent/ HP E4991A+ Agilent/ HP16197A,
(The electrical specification test by the smallest gap position) or HP16193A
- DCR : Chroma Milliohmmeter 16502, or equivalent

FSR05-B

- L, Q, SRF : Agilent/ HP 4291A or 4291B+Agilent/ HP 16197A
- I_{dc} : Microtest LCR Meter 6379

FSR05-H

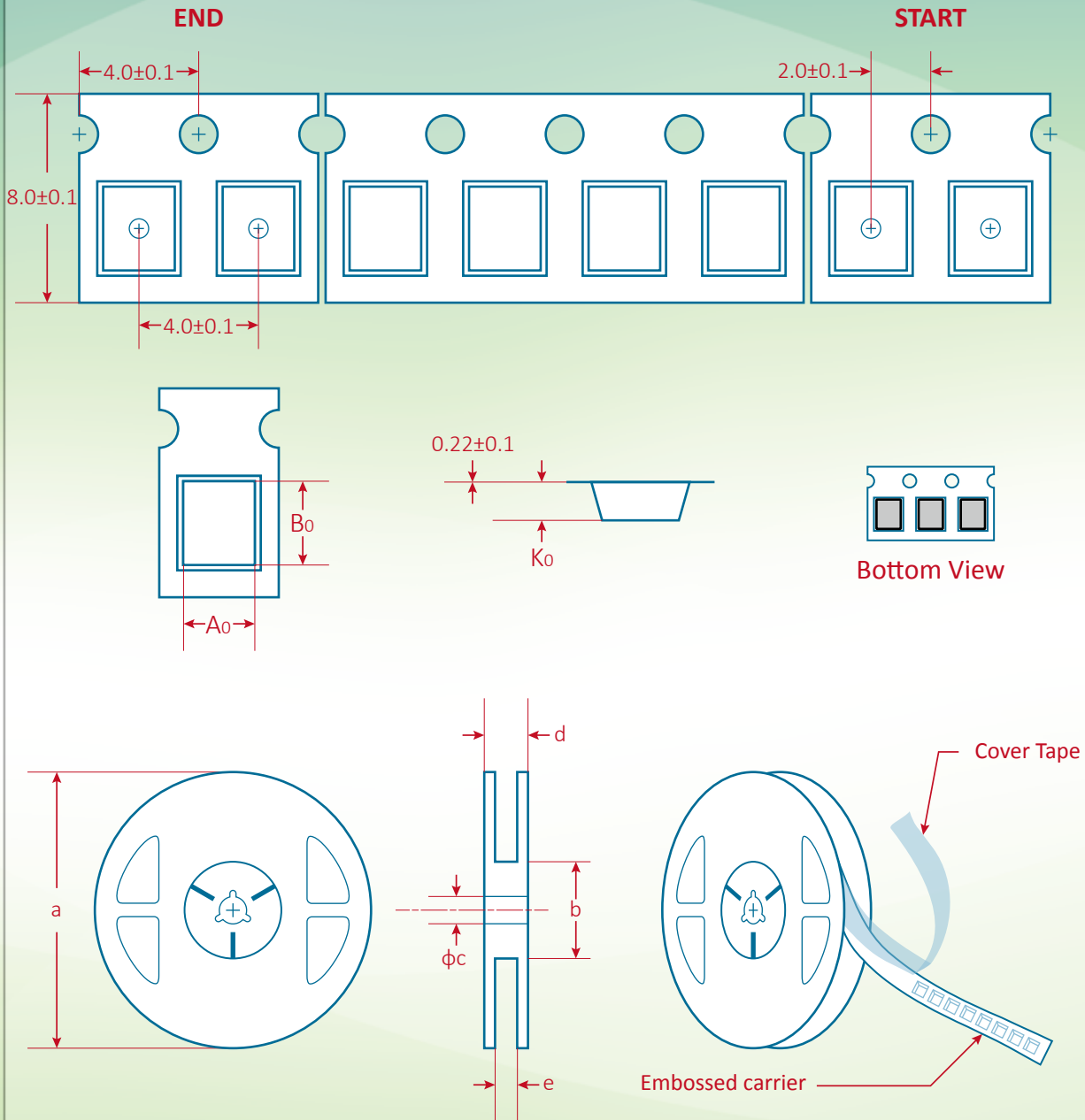
- L, Q : Agilent E4991A RF Impedance/ Material Analyzer + Agilent 16197A
(The electrical specification test by the smallest gap position) or HP16193A
- SRF : Agilent E4991A RF Impedance/ Material Analyzer + Agilent 16197A
(The electrical specification test by the smallest gap position) or HP16193A
- DCR : Chroma 16502 Milliohm Meter, or equivalent



FSR05

Packing

Dimensions in mm



Item	Ao	Bo	Ko	a	b	φc	d	e
FSR05	1.65±0.1	2.4±0.1	1.3±0.1	180	60	13	14.4	8.4
FSR05-B	1.75±0.1	2.55±0.1	1.3±0.1	180	60	13	14.4	8.4
FSR05-H	1.72±0.1	2.55±0.1	1.3±0.1	180	60	13	14.4	8.4
Reel								
Q'ty(Pcs)								
2,000								