

3. General use FC, FA, FB

Japan
China



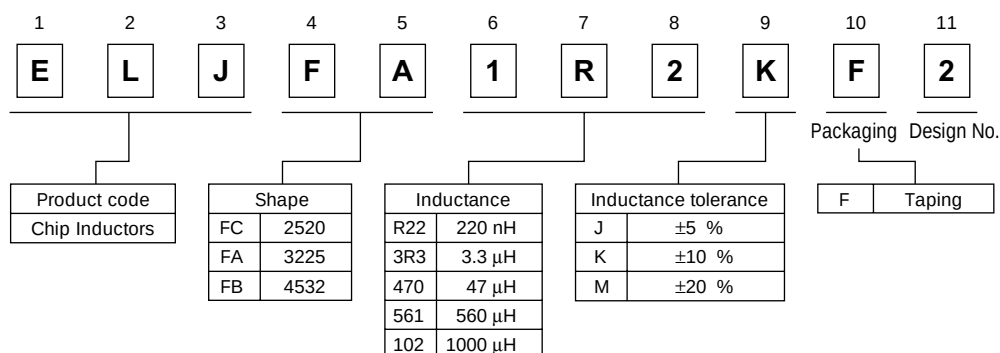
■ Features

- General use wire wound and resin molded chip inductor.
- Correspond to Re-flowsoldering and flow soldering.
- Wide line-up from 2520 size to 4532 size.
- Good for mounting.

■ Recommended Applications

- AV equipment, Wireless communication equipment and various general electronic equipment.

■ Explanation of Part Numbers



■ Storage condition

- Package : Normal temperature (−5 to 35 °C), normal humidity (85 %RH Max.), shall not be exposed to direct sunlight and harmful gas and care should be taken so as not to cause dew.
- Product on PWB: Temperature −20 to +85 °C

■ Storage period

- In generally, even if storage condition is good, solderability will be down cause of time progress.
Please use product within 6 months after received.
(In case of over 6 months storage period, use the product after confirmation of no abnormality of appearance and solderability.)

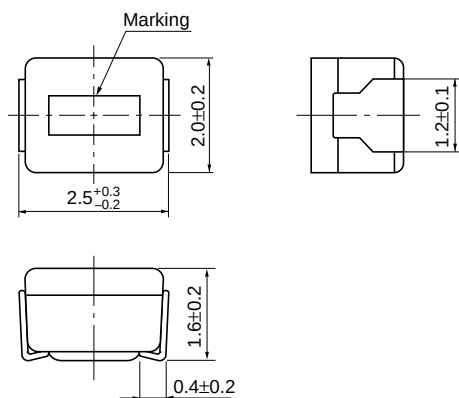
■ Packaging Refer 28 ro 29 page.

■ Soldering condition Refer 30 page.

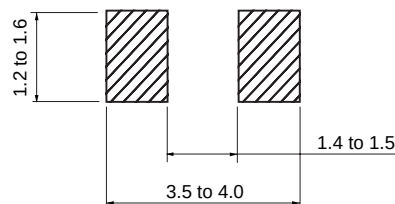
■ Caution for use Refer 31 page.

■ FC Type 2520 (1008)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

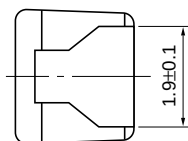
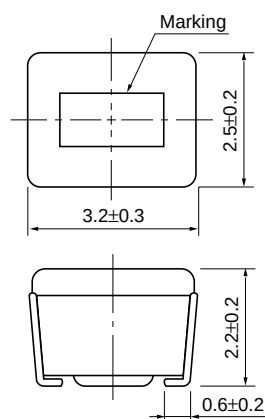
■ Standard Parts

Part No.	Inductance			Q		SRF *1 (MHz) min.	R _{DC} *2 (Ω) max.	DC Current (mA) max.
	(μH)	Tolerance (%)	Test Freq. (MHz)	min.	Test Freq. (MHz)			
ELJFCR22□F	0.22	M : ±20 % or K : ±10 %	25.2	25	25.2	230	0.70	190
ELJFCR27□F	0.27					210	0.75	180
ELJFCR33□F	0.33					190	0.85	170
ELJFCR39□F	0.39					175	0.95	160
ELJFCR47□F	0.47					160	1.00	155
ELJFCR56□F	0.56					155	1.10	150
ELJFCR68□F	0.68					135	1.25	140
ELJFCR82□F	0.82					125	1.40	130
ELJFC1R0□F	1.0					K : ±10 % or J : ± 5 %	7.96	7.96
ELJFC1R2□F	1.2	100	0.75		180			
ELJFC1R5□F	1.5	90	0.85		170			
ELJFC1R8□F	1.8	85	0.95		160			
ELJFC2R2□F	2.2	80	1.05		155			
ELJFC2R7□F	2.7	75	1.20		145			
ELJFC3R3□F	3.3	65	1.30		135			
ELJFC3R9□F	3.9	60	1.40		130			
ELJFC4R7□F	4.7	55	1.55		125			
ELJFC5R6□F	5.6	50	1.75		120			
ELJFC6R8□F	6.8	45	1.95		115			
ELJFC8R2□F	8.2	40	2.20		105			
ELJFC100□F	10	2.52	20	2.52	32		3.70	80
ELJFC120□F	12				30		4.10	75
ELJFC150□F	15				28		5.00	70
ELJFC180□F	18				25		5.40	65
ELJFC220□F	22				22		6.00	60
ELJFC270□F	27				21		6.30	115
ELJFC330□F	33				20		7.10	110
ELJFC390□F	39				18		9.50	90
ELJFC470□F	47				17		11.0	80
ELJFC560□F	56				16		12.1	75
ELJFC680□F	68				15		16.6	70
ELJFC820□F	82				13		19.0	65
ELJFC101□F	100		0.796	15	0.796		12	21.0

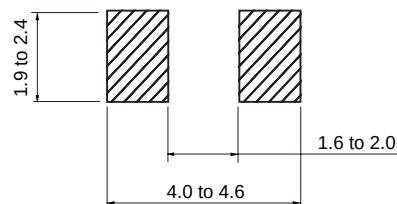
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

■ FA Type 3225 (1210)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

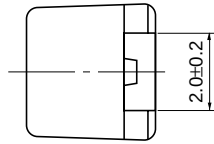
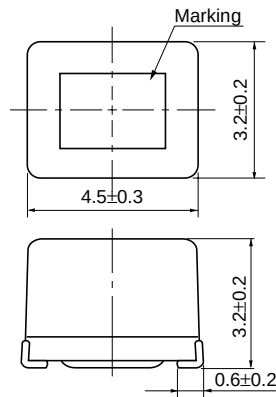
■ Standard Parts

Part No.	Inductance			Q		SRF *1 (MHz) min.	R _{DC} *2 (Ω) max.	DC Current (mA) max.	
	(μH)	Tolerance (%)	Test Freq. (MHz)	min.	Test Freq. (MHz)				
ELJFAR22□F2	0.22	M : ±20 % or K : ±10 %	25.2	25	25.2	230	0.29	360	
ELJFAR27□F2	0.27					210	0.32	345	
ELJFAR33□F2	0.33					190	0.35	330	
ELJFAR39□F2	0.39					175	0.39	305	
ELJFAR47□F2	0.47					160	0.44	290	
ELJFAR56□F2	0.56					150	0.49	275	
ELJFAR68□F2	0.68					135	0.55	260	
ELJFAR82□F2	0.82					125	0.61	245	
ELJFA1R0□F2	1.0	K : ±10 % or J : ± 5 %	7.96	30	7.96	115	0.69	230	
ELJFA1R2□F2	1.2					100	0.75	215	
ELJFA1R5□F	1.5					90	0.75	210	
ELJFA1R8□F	1.8					85	0.82	200	
ELJFA2R2□F	2.2					80	0.95	190	
ELJFA2R7□F	2.7					75	1.1	180	
ELJFA3R3□F	3.3					65	1.2	180	
ELJFA3R9□F	3.9					60	1.3	175	
ELJFA4R7□F	4.7					55	1.5	165	
ELJFA5R6□F	5.6					50	1.6	160	
ELJFA6R8□F	6.8					45	1.8	150	
ELJFA8R2□F	8.2					40	2.0	140	
ELJFA100□F	10		2.52		2.52	36	2.1	140	
ELJFA120□F	12					33	2.5	125	
ELJFA150□F	15					30	2.8	120	
ELJFA180□F	18					27	3.3	110	
ELJFA220□F	22					25	3.7	105	
ELJFA270□F	27					22	5.0	90	
ELJFA330□F	33					20	5.6	85	
ELJFA390□F	39					20	6.4	80	
ELJFA470□F	47					15	7.0	75	
ELJFA560□F	56					15	8.0	70	
ELJFA680□F	68		15	9.0		65			
ELJFA820□F	82		10	10.0		60			
ELJFA101□F	100		0.796	20		0.796	10	10.0	60
ELJFA121□F	120						10	11.0	55
ELJFA151□F	150						8	15.0	50
ELJFA181□F	180						7	17.0	50
ELJFA221□F	220						7	21.0	45

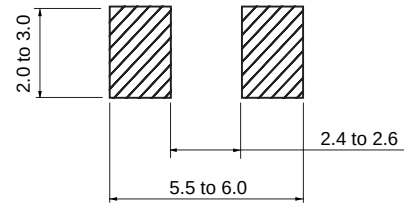
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

■ FB Type 4532 (1812)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 500 pcs./Reel

■ Standard Parts

Part No.	Inductance			Q		SRF *1 (MHz) min.	R _{DC} *2 (Ω) max.	DC Current (mA) max.
	(μH)	Tolerance (%)	Test Freq. (MHz)	min.	Test Freq. (MHz)			
ELJFBR22□F	0.22	M : ±20 %	1.0	30	25.2	230	0.30	700
ELJFBR27□F	0.27					200	0.32	650
ELJFBR33□F	0.33					180	0.35	630
ELJFBR39□F	0.39					155	0.37	620
ELJFBR47□F	0.47					135	0.40	580
ELJFBR56□F	0.56					120	0.42	560
ELJFBR68□F	0.68					105	0.48	530
ELJFBR82□F	0.82					90	0.50	500
ELJFB1R0□F	1.0	M:±20 % or K : ±10 %		50	7.96	80	0.52	470
ELJFB1R2□F	1.2					70	0.55	460
ELJFB1R5□F	1.5					60	0.61	430
ELJFB1R8□F	1.8					50	0.61	410
ELJFB2R2□F	2.2					45	0.61	410
ELJFB2R7□F	2.7					43	0.61	400
ELJFB3R3□F	3.3					39	0.66	380
ELJFB3R9□F	3.9					36	0.74	360
ELJFB4R7□F	4.7			5	33	0.81	350	
ELJFB5R6□F	5.6				30	0.88	330	
ELJFB6R8□F	6.8				26	1.0	310	
ELJFB8R2□F	8.2				24	1.6	250	
ELJFB100□F	10				22	1.8	235	
ELJFB120□F	12				20	1.9	225	
ELJFB150□F	15				18	2.1	215	
ELJFB180□F	18				16	2.3	205	
ELJFB220□F	22	2.52		15	2.6	195		
ELJFB270□F	27			13	2.9	185		
ELJFB330□F	33			12	3.1	175		
ELJFB390□F	39			10	3.6	165		
ELJFB470□F	47			9.7	4.2	130		
ELJFB560□F	56			9.0	4.7	125		
ELJFB680□F	68			8.2	5.3	115		
ELJFB820□F	82			7.5	5.9	110		
ELJFB101□F	100		6.7	8.8	105			
ELJFB121□F	120		1.5	6.1	10	100		
ELJFB151□F	150			5.5	11	95		
ELJFB181□F	180			5.1	13	85		
ELJFB221□F	220			4.5	13	85		
ELJFB271□F	270		0.796	4.1	14	80		
ELJFB331□F	330			3.7	16	75		
ELJFB391□F	390			3.3	19	70		
ELJFB471□F	470	3.3		31	55			
ELJFB561□F	560	2.7		35	50			
ELJFB681□F	680	2.5		39	50			
ELJFB821□F	820	2.4		45	45			
ELJFB102□F	1000	2.1		53	40			

□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance