



THE DATASHEET OF ELJ-FC101JF

3. General Use FC, FA, FB



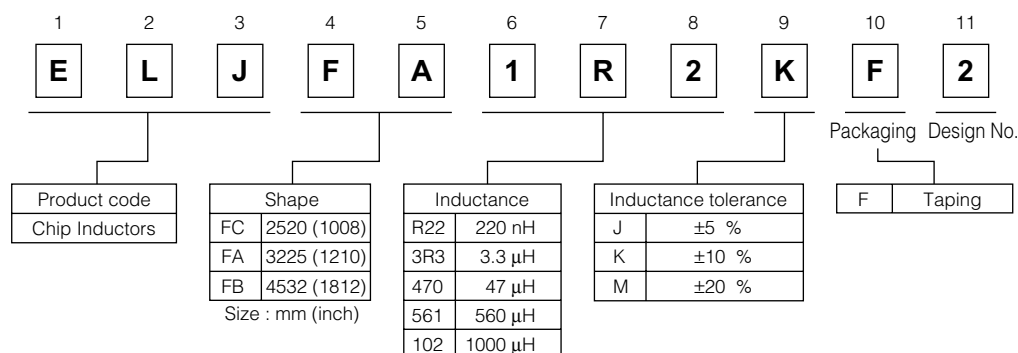
■ Features

- General use wire wound, resin molded chip inductor.
- Capable of being Re-flow or flow soldered.
- Wide line-up from 2520 to 4532 case sizes.
- Good for mounting.

■ Recommended Applications

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

■ Explanation of Part Numbers



■ Storage Conditions

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

■ Storage Period

- Solderability may be reduced due to the conditions of high temperature and high humidity which causes the oxidation of tin-plated terminals. Even if storage conditions are within specified limits, solderability may be reduced with the passage of time. Therefore, please control the storage conditions and try to use the product within 6 months of receipt.

■ Packaging Methods

Please see Page 127

■ Soldering Conditions

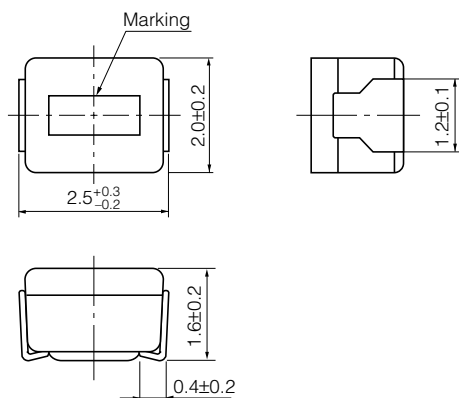
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■ Safety Precautions

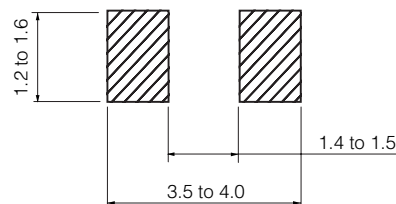
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■ FC Type 2520 (1008)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

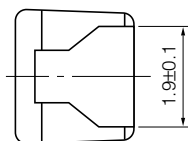
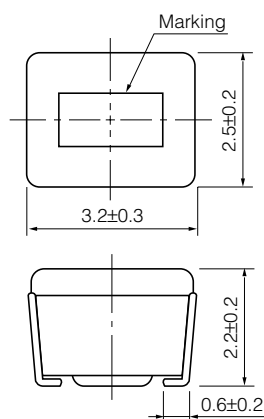
■ Standard Parts

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	25
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	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	

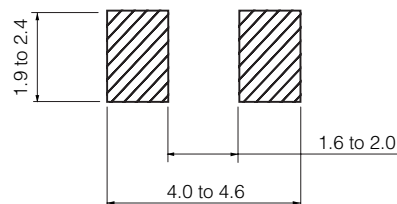
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

■ 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

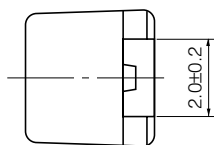
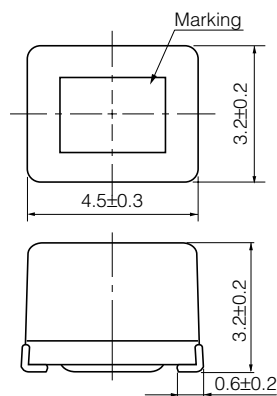
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

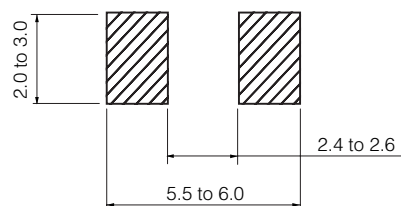
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■ FB Type 4532 (1812)

● 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				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	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	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	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				

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