

3. General Use FC, FA, FB



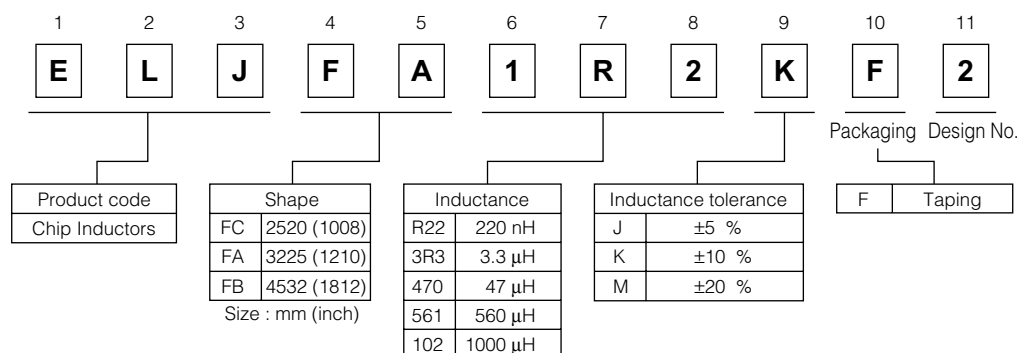
■ Features

- 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.
- RoHS compliant

■ 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.

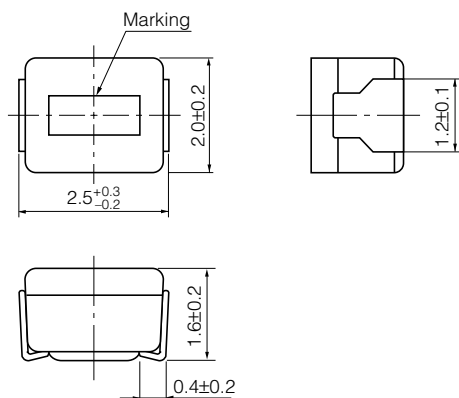
■ Packaging Methods Please see Page 127

■ Soldering Conditions Please see Page 128

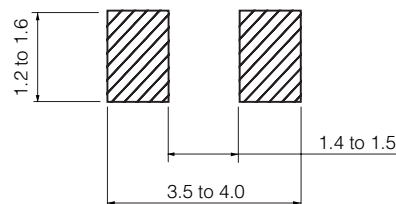
■ Safety Precautions Please see Page 129

■ FC Type 2520 (1008)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

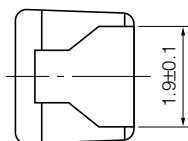
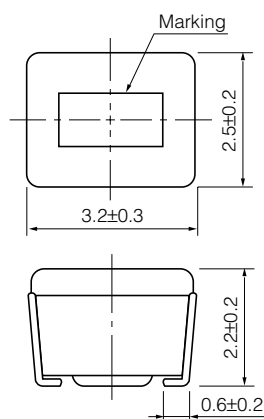
■ Standard Parts

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	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

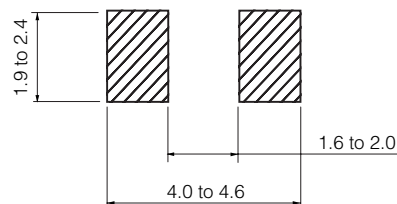
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

■ 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

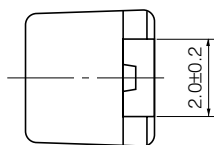
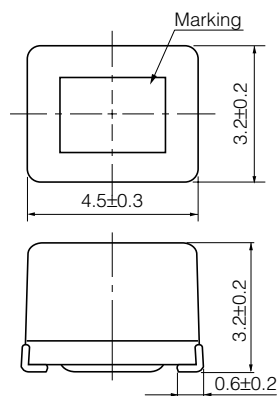
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

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.

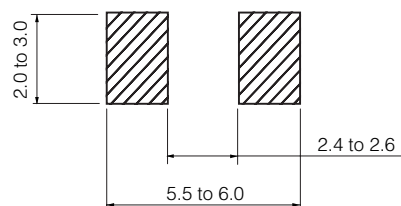
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■ FB Type 4532 (1812)

● 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	5	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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