

### 3. General use FC, FA, FB

Japan



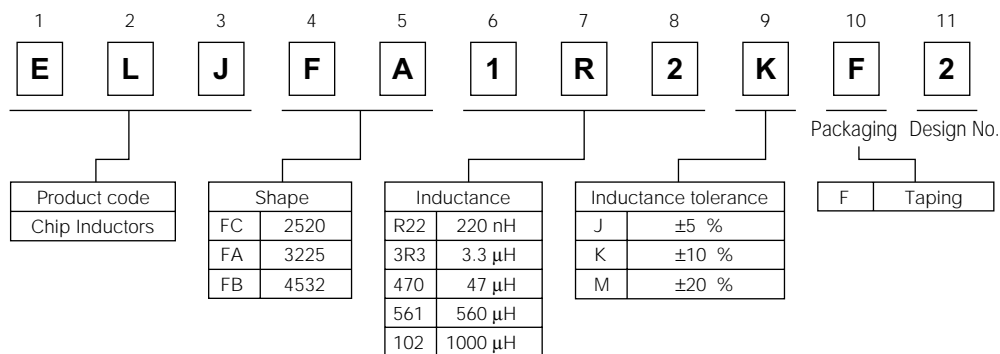
#### ■ Features

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.  
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.

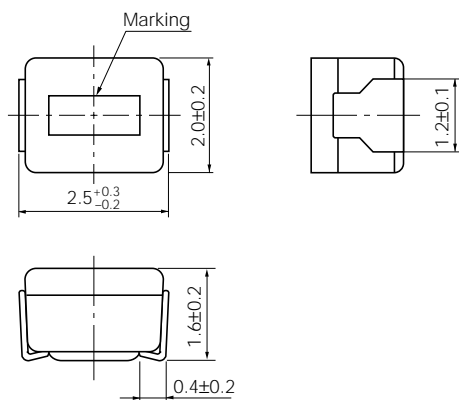
Operating Temperature : −20 to +85 °C

#### Storage period

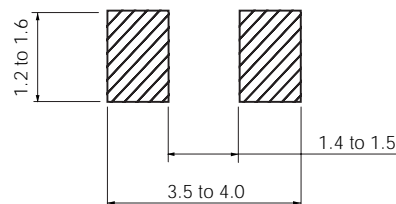
Solderability may be reduced due to the conditions of high temperature and high humidity which causes the oxidation of tin-plated terminals. Even if storage conditions are within specified limits, solderability may be reduced with the passage of time. Therefore, please control the storage conditions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

### ■ 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

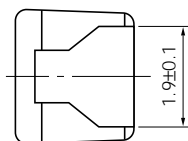
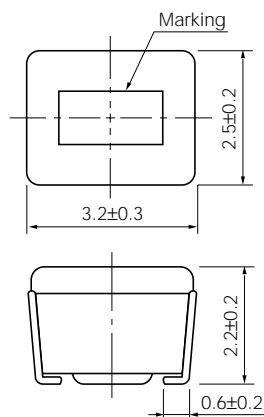
Part No.	Inductance			Q		SRF *1 (MHz) min.	R <sub>DC</sub> *2 (Ω) max.	DC Current (mA) max.
	(μH)	Tolerance (%)	Test Freq. (MHz)	min.	Test Freq. (MHz)			
ELJFCR22□F	0.22	M : ±20 % or K : ±10 %	25.2	25	25.2	230	0.70	190
ELJFCR27□F	0.27					210	0.75	180
ELJFCR33□F	0.33					190	0.85	170
ELJFCR39□F	0.39					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		12	

□ : Symbol of Tolerance

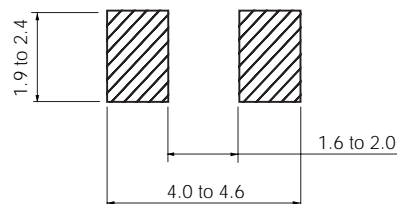
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ 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

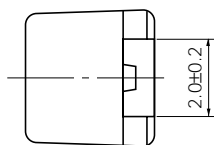
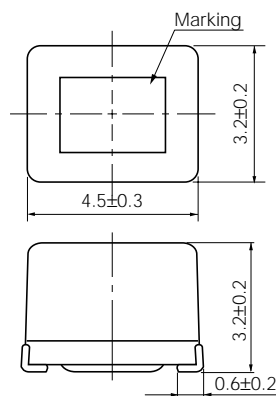
Part No.	Inductance			Q		SRF *1 (MHz) min.	R <sub>DC</sub> *2 (Ω) max.	DC Current (mA) max.
	(μH)	Tolerance (%)	Test Freq. (MHz)	min.	Test Freq. (MHz)			
ELJFAR22□F2	0.22	M : ±20 %  or  K : ±10 %	25.2	25	25.2	230	0.29	360
ELJFAR27□F2	0.27					210	0.32	345
ELJFAR33□F2	0.33					190	0.35	330
ELJFAR39□F2	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		0.796	20	0.796	15	9.0	65
ELJFA820□F	82					10	10.0	60
ELJFA101□F	100					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

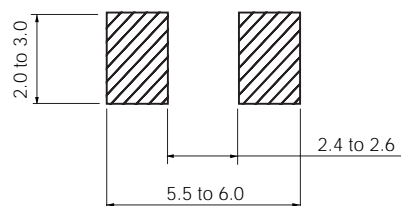
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ 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 <sub>DC</sub> *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	K : ±10 % or J : ± 5 %			40	5	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	0.1		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

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