

3. General use FC, FA, FB

Japan
China



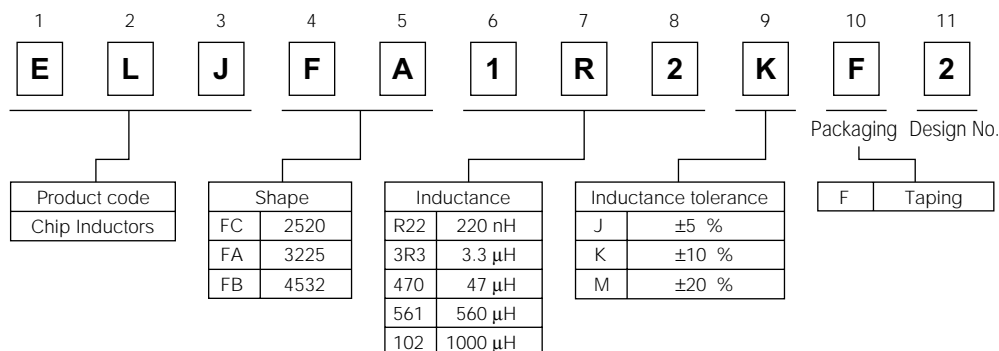
■ Features

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.)

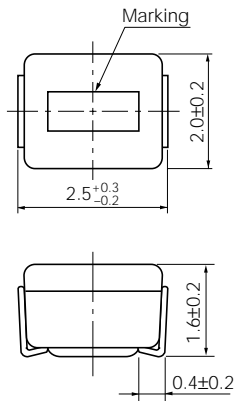
Packaging Refer 28 ro 29 page.

Soldering condition Refer 30 page.

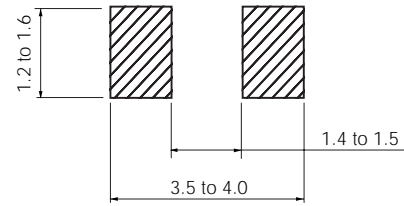
Caution for use Refer 31 page.

FC Type 2520 (1008)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

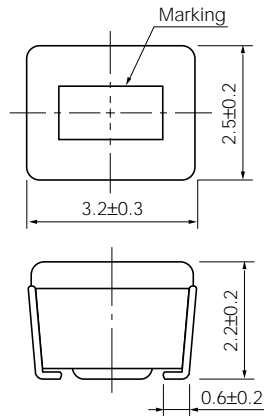
Standard Parts

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	25	7.96	115	0.65	195
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					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	12	21.0	60				
		0.796	15	0.796				

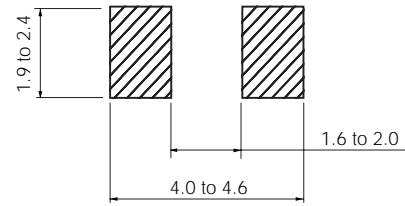
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

FA Type 3225 (1210)

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 2000 pcs./Reel

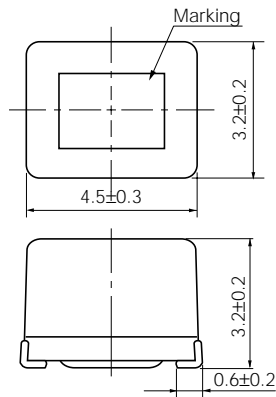
Standard Parts

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					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	10	10.0	60				
ELJFA121□F	120	10	11.0	55				
ELJFA151□F	150	0.796	20	0.796	8	15.0	50	
ELJFA181□F	180				7	17.0	50	
ELJFA221□F	220				7	21.0	45	

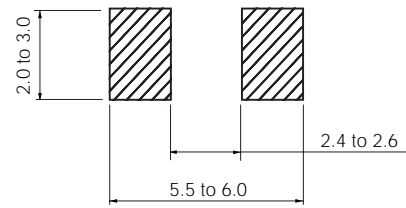
□ : Symbol of Tolerance *1 : Self Resonant Frequency *2 : DC Resistance

■ 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 %		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 %	1.0	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	K : ±10 % or J : ±5 %	0.1	40	5	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	K : ±10 % or J : ±5 %	0.1	30	2.52	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	0.796	0.1	30	1.5	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

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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