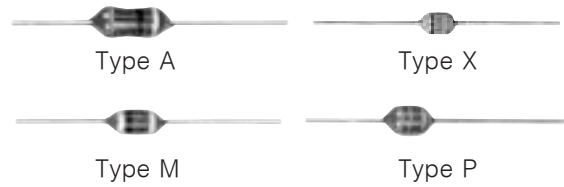


Peaking Coils

Series: **Axial**
 Type: **A, M, P, X**

Japan



■ Features

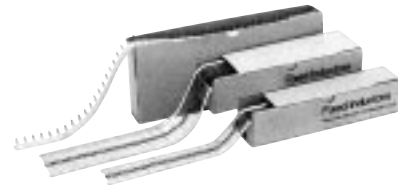
- Compact size, with high Q and self resonant-frequency
- Wide inductance range (0.22 μH to 1000 μH)

■ Recommended Applications

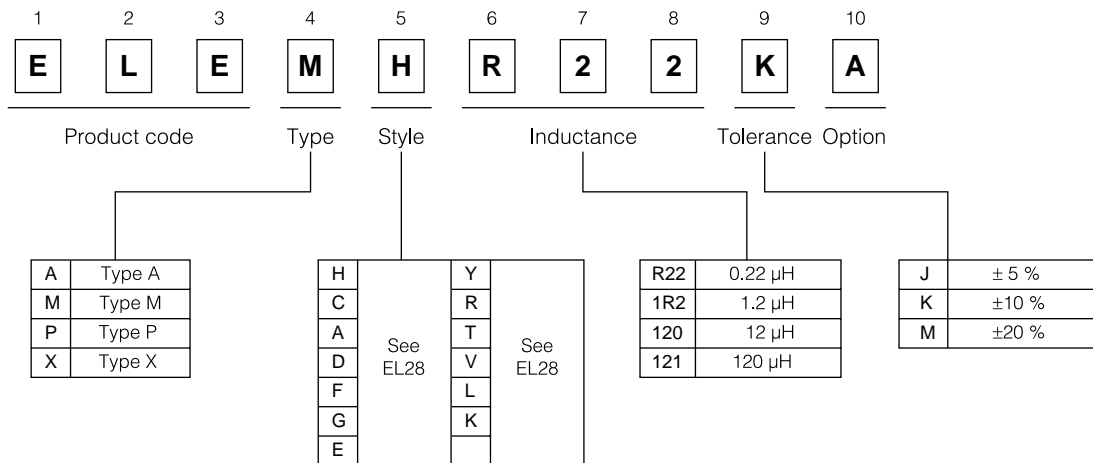
- CTV, VCR, Audio, PC, Facsimiles

■ Performance Characteristics





- Operating Temperature $-20\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$
- Temperature Rise20 K ($20\text{ }^{\circ}\text{C}$) max.
- Terminal Strength24.5 N min.



■ Explanation of Part Numbers



■ Performance Specifications, Summary

Type	Size (mm)	Features	Inductance Range (μH)
A	$\phi 5.0 \times 10.5$ (D \times L)	<ul style="list-style-type: none"> ● Wide inductance range ● Large allowable DC current ● Axial taping mount pitch : 12.5 mm min. 	 <p>0.22 1000 (μH)</p>
M	$\phi 3.0 \times 7.5$	<ul style="list-style-type: none"> ● Compact size ● Axial taping mount pitch : 10.0 mm min. 	 <p>0.22 820 (μH)</p>
P	$\phi 4.2 \times 6.5$	<ul style="list-style-type: none"> ● Compact size and wide inductance range ● Capable of automatic inserting at 5 mm pitch (forming into radial structure) ● Axial taping mount pitch : 7.5 mm min. 	 <p>0.22 1000 (μH)</p>
X	$\phi 2.3 \times 3.4$	<ul style="list-style-type: none"> ● Small size ● Suitable for small signal processing circuits ● Axial taping mount pitch : 5.0 mm min. 	 <p>0.22 220 (μH)</p>

Examples : Types A, M

Part No.	Inductance (μH)	Tolerance		Test Frequency (MHz)	Type A				Type M					
		Standard	Special		Q min.	SRF (MHz) min.	DCR** (Ω) max.	DC Current (mA)	Q min.	SRF (MHz) min.	DCR** (Ω) max.	DC Current (mA)		
ELE□□R22MA	0.22	±20 %	Special	25.2	45	300	0.09	1400	35	150	0.20	400		
ELE□□R27MA	0.27				45	270	0.10	1320	35	150	0.22	380		
ELE□□R33MA	0.33				45	250	0.11	1280	35	150	0.24	370		
ELE□□R39MA	0.39				45	230	0.12	1200	35	150	0.26	350		
ELE□□R47MA	0.47				45	220	0.13	1150	35	150	0.28	330		
ELE□□R56MA	0.56				45	200	0.14	1100	35	150	0.31	320		
ELE□□R68MA	0.68				45	190	0.15	1030	35	150	0.34	310		
ELE□□R82□A	0.82				45	172	0.17	980	35	150	0.37	290		
ELE□□IR0□A	1.0				45	157	0.19	920	35	150	0.40	270		
ELE□□IR2□A	1.2				±10 %	Special	7.96	50	144	0.21	880	40	144	0.45
ELE□□IR5□A	1.5	50	131	0.23				830	40	131	0.50	250		
ELE□□IR8□A	1.8	55	121	0.25				790	40	120	0.55	240		
ELE□□2R2□A	2.2	55	90	0.28				750	40	100	0.60	230		
ELE□□2R7□A	2.7	60	80	0.30				720	40	90	0.65	220		
ELE□□3R3□A	3.3	65	70	0.34				670	40	80	0.75	210		
ELE□□3R9□A	3.9	65	50	0.37	640	40	65	0.80	200					
ELE□□4R7□A	4.7	70	40	0.39	620	40	50	0.90	190					
ELE□□5R6□A	5.6	70	33	0.43	590	40	30	0.95	180					
ELE□□6R8□A	6.8	70	27	0.48	550	40	27	1.1	175					
ELE□□8R2□A	8.2	65	25	0.52	530	40	25	1.2	165					
ELE□□100□A	10	60	22	0.58	500	40	20	1.3	160					
ELE□□120□A	12	±10 %	±5 %	2.52	60	17	0.63	480	40	18	1.5	150		
ELE□□150□A	15				60	11	0.72	460	40	16	1.7	145		
ELE□□180□A	18				65	10	0.77	430	40	12	1.8	140		
ELE□□220□A	22				65	9.0	0.84	410	40	10	2.0	130		
ELE□□270□A	27				65	7.6	0.94	390	40	9.0	2.3	125		
ELE□□330□A	33				55	6.3	1.03	370	40	8.0	2.4	120		
ELE□□390□A	39				50	6.3	1.12	350	40	7.5	2.7	115		
ELE□□470□A	47				45	6.3	1.22	340	40	7.0	3.0	110		
ELE□□560□A	56				40	6.2	1.34	320	40	6.5	3.3	105		
ELE□□680□A	68				40	5.7	1.47	305	40	6.0	3.8	100		
ELE□□820□A	82				35	5.3	1.62	290	40	5.3	4.5	95		
ELE□□101□A	100				30	4.8	1.80	275	40	4.8	5.0	90		
ELE□□121□A	120				0.796	Special	70	3.8	3.70	185	40	3.8	6.0	90
ELE□□151□A	150						70	3.5	4.20	175	40	3.5	7.0	85
ELE□□181□A	180						65	3.3	4.60	165	40	3.3	8.0	80
ELE□□221□A	220						70	3.0	5.10	155	40	3.0	9.0	75
ELE□□271□A	270						65	2.80	5.80	145	50	2.8	11	64
ELE□□331□A	330						70	2.60	6.40	137	50	2.6	13	60
ELE□□391□A	390	70	2.40	7.00			133	50	2.4	15	56			
ELE□□471□A	470	60	2.25	7.70			126	50	2.1	21	50			
ELE□□561□A	560	60	2.10	8.50			120	50	2.0	24	47			
ELE□□681□A	680	55	1.95	9.40			113	50	1.8	27	43			
ELE□□821□A	820	55	1.85	10.5			105	50	1.7	30	41			
ELE□□102□A	1000	50	1.40	14.0			100							

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.

Examples : Types P, X

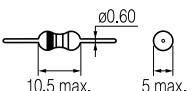
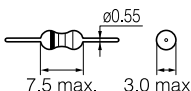
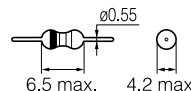
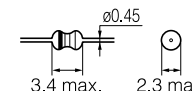







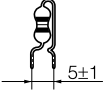
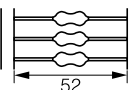
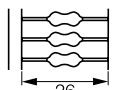
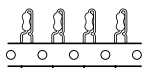
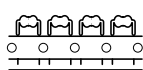
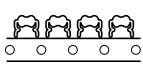
Inductance (μ H)	Type P				Type X				* Color Code		
	Q min.	SRF (MHz) min.	DCR** (Ω) max.	DC Current (mA)	Q min.	SRF (MHz) min.	DCR** (Ω) max.	DC Current (mA)	1st	2nd	3rd
0.22	25	150	0.20	400	35	150	0.40	400	R	R	S
0.27	25	150	0.22	380	35	150	0.43	380	R	V	S
0.33	25	150	0.24	370	35	150	0.48	370	O	O	S
0.39	25	150	0.26	350	35	150	0.51	350	O	W	S
0.47	25	150	0.28	330	35	150	0.56	330	Y	V	S
0.56	25	150	0.31	320	35	150	0.61	320	Gn	Be	S
0.68	25	120	0.34	310	35	150	0.67	310	Be	Gy	S
0.82	35	120	0.37	290	35	150	0.74	290	Gy	R	S
1.0	35	100	0.40	270	35	150	0.80	270	Bn	Bk	Gd
1.2	40	85	0.45	260	40	110	0.90	260	Bn	R	Gd
1.5	40	70	0.50	250	40	80	1.0	250	Bn	Gn	Gd
1.8	40	60	0.55	240	40	60	1.1	240	Bn	Gy	Gd
2.2	40	55	0.60	230	40	45	1.2	230	R	R	Gd
2.7	40	50	0.65	220	40	40	1.3	220	R	V	Gd
3.3	40	45	0.75	210	40	38	1.4	210	O	O	Gd
3.9	40	40	0.80	200	40	35	1.6	200	O	W	Gd
4.7	40	35	0.90	190	40	32	1.7	190	Y	V	Gd
5.6	40	33	0.95	180	40	30	1.9	180	Gn	Be	Gd
6.8	40	27	1.1	175	40	28	2.0	175	Be	Gy	Gd
8.2	40	25	1.2	165	40	26	2.2	165	Gy	R	Gd
10	40	23	1.3	160	40	24	2.5	160	Bn	Bk	Bk
12	40	20	1.5	150	40	22	2.5	150	Bn	R	Bk
15	40	16	1.7	145	40	20	2.8	145	Bn	Gn	Bk
18	40	12	1.8	140	40	18	3.1	140	Bn	Gy	Bk
22	40	10	2.0	130	40	17	3.4	130	R	R	Bk
27	40	9.0	2.3	125	40	16	4.3	80	R	V	Bk
33	40	8.0	2.4	120	40	14	4.7	76	O	O	Bk
39	40	7.5	2.7	115	40	13	5.2	74	O	W	Bk
47	40	7.0	3.0	110	40	12	5.8	70	Y	V	Bk
56	40	6.5	3.3	105	40	11	8.0	52	Gn	Be	Bk
68	40	6.0	3.8	100	40	10	10	49	Be	Gy	Bk
82	40	5.3	4.5	95	40	9.5	11	46	Gy	R	Bk
100	40	4.8	5.0	90	40	9.0	12	44	Bn	Bk	Bn
120	50	3.8	6.0	90	40	7.0	14	41	Bn	R	Bn
150	50	3.5	7.0	85	40	6.0	16	39	Bn	Gn	Bn
180	50	3.3	8.0	80	40	5.5	18	37	Bn	Gy	Bn
220	50	3.0	9.0	75	40	5.0	20	35	R	R	Bn
270	50	2.7	10	70					R	V	Bn
330	50	2.5	12	64					O	O	Bn
390	50	2.4	14	59					O	W	Bn
470	50	2.2	16	55					Y	V	Bn
560	50	2.1	20	50					Gn	Be	Bn
680	50	2.0	22	47					Be	Gy	Bn
820	50	1.9	25	44					Gy	R	Bn
1000	40	1.8	30	40					Bn	Bk	R

* Color Code

Bk =Black
 Bn =Brown
 R =Red
 O =Orange
 Y =Yellow
 Gn =Green
 Be =Blue
 V =Violet
 Gy =Gray
 W =White
 Gd =Gold
 S =Silver

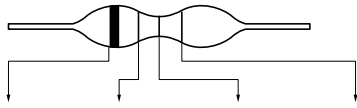
** DC Resistance

■ Dimensions in mm (not to scale)

Type		Type A	Type M	Type P	Type X	
						
Style						
Lead Forming	H		Yes	Yes	Yes	Yes
	C		Yes			
	A		Yes			
	D			Yes		
	F			Yes	Yes	
	G					Yes
	E				Yes	
	Y		Yes			
Taping	R		Yes	Yes	Yes	Yes
	T		Yes	Yes	Yes	Yes
	V		Yes			
	L				Yes	Yes
	K				Yes	

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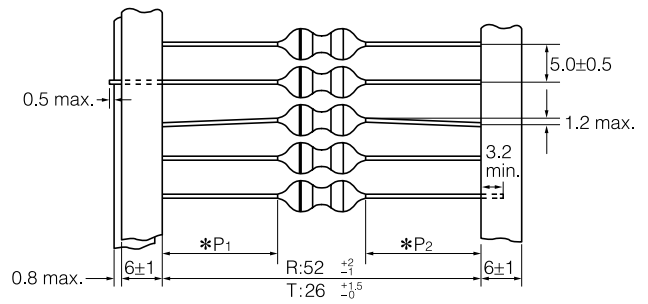
Color Code



Color	Color Bands			
	1st figure	2nd figure	Multiplier	Tolerance
Black	0		10^0	$\pm 20\%$
Brown	1		10^1	—
Red	2		10^2	—
Orange	3		10^3	—
Yellow	4		—	—
Green	5		—	—
Blue	6		—	—
Violet	7		—	—
Gray	8		—	—
White	9		—	—
Gold	—		10^{-1}	$\pm 5\%$
Silver	—		10^{-2}	$\pm 10\%$

Tape Dimensions in mm (not to scale)

● Style R & T



* $|P_1 - P_2| \leq 1.0$

Note : Axial Taping Mount Pitch

A..... 12.5 min.

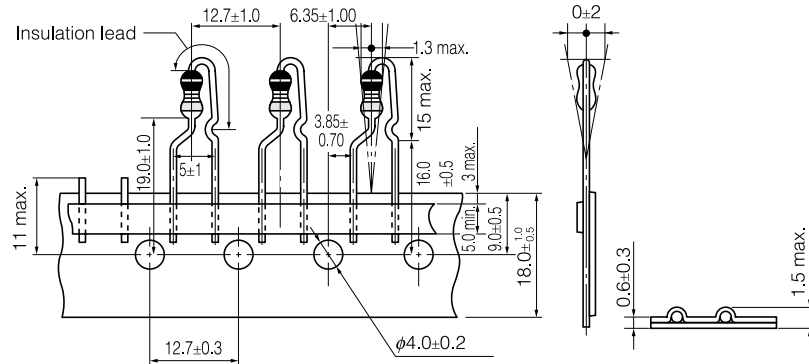
M..... 10.0 min.

P..... 7.5 min.

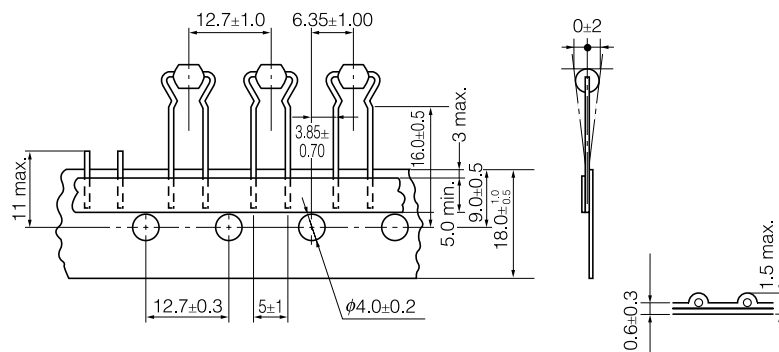
X..... 5.0 min.

Tape Dimensions in mm (not to scale)

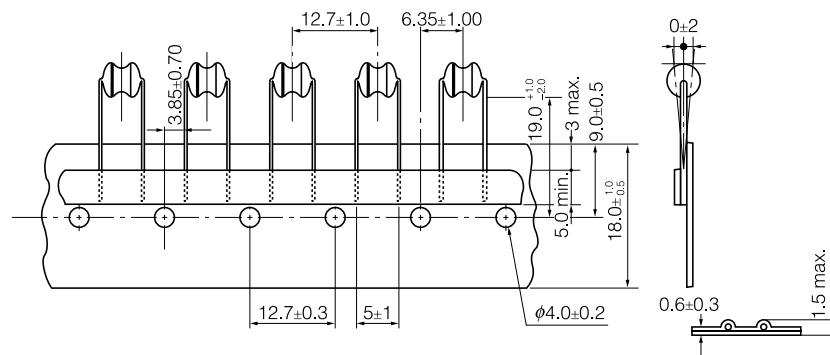
● Style V



● Style K



● Style L

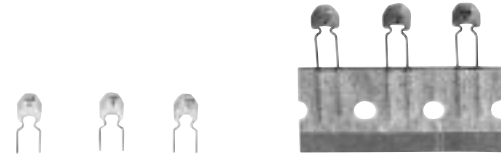


Peaking Coils

Series: **Radial**
 Type: **S, L, K**

Japan

Type S



Taped

Type L

Type K



■ Features

- Compact size, with high Q and self-resonant frequency
- Wide inductance range: 0.22 μH to 22 mH

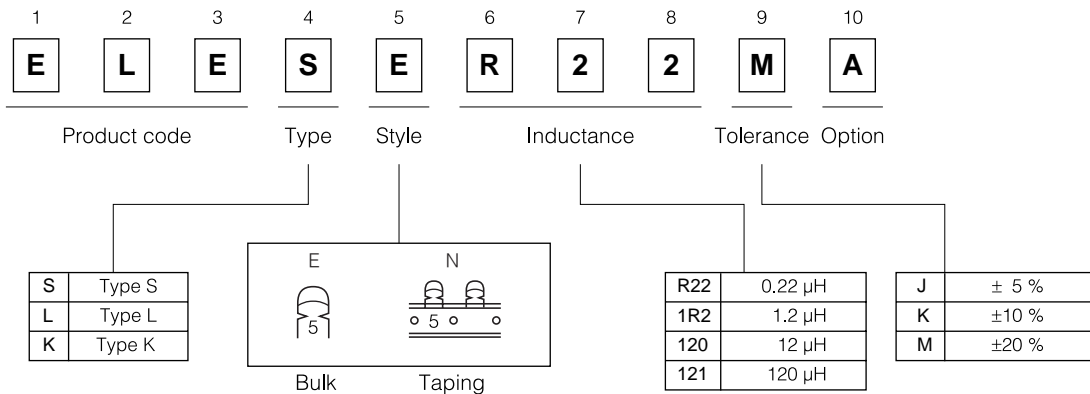
■ Recommended Applications

- CTV, VTR, Audio, PC, Facsimiles

■ Performance Characteristics

- Operating Temperature $-20\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$
- Temperature Rise 20 K ($20\text{ }^{\circ}\text{C}$) max.
- Terminal Strength 4.9 N min.

■ Explanation of Part Numbers



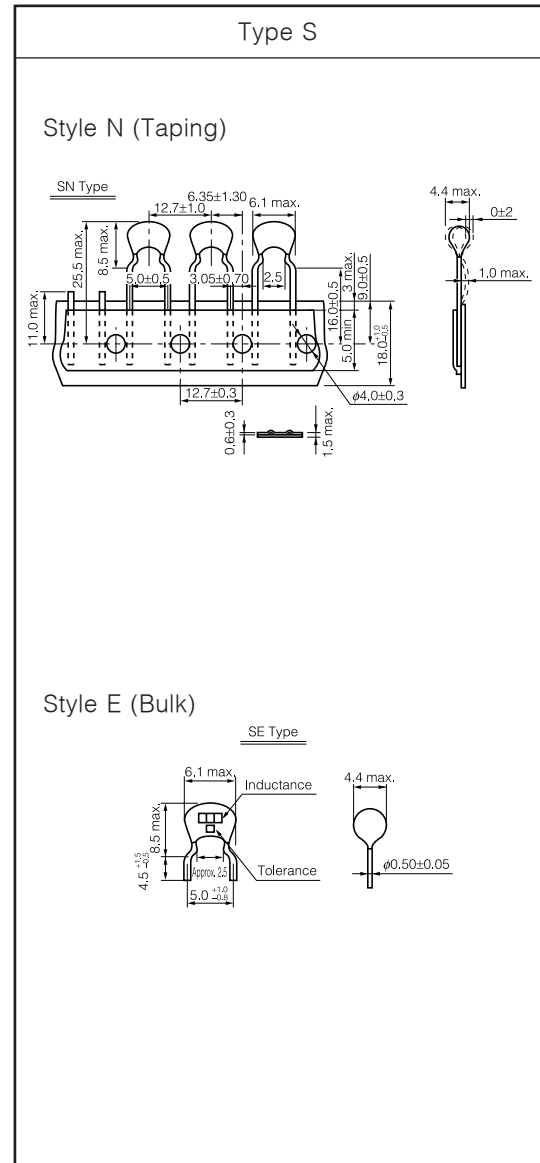
■ Marking

	Value	Marking
Inductance	0.22 μH	R22
	1.2 μH	1R2
	12 μH	120
	120 μH	121
Inductance Tolerance	± 5 %	J
	±10 %	K
	±20 %	M

Examples : Type S

Part No.	Inductance (μH)	Inductance Tolerance		Q min.	Test Frequency	SRF (MHz) min.	DCR* (Ω) max.	DC Current (mA)
		Standard	Special					
		Type S						
ELES□R22MA	0.22	±20 %		35	25.2 MHz	150	0.15	800
ELES□R27MA	0.27			35		150	0.16	800
ELES□R33MA	0.33			35		150	0.17	800
ELES□R39MA	0.39			35		130	0.19	800
ELES□R47MA	0.47			35		130	0.20	800
ELES□R56MA	0.56			35		130	0.22	700
ELES□R68MA	0.68			35		120	0.24	700
ELES□R82MA	0.82			35		120	0.26	700
ELES□1R0□A	1.0			±10 %			35	7.96 MHz
ELES□1R2□A	1.2	50	75		0.32		645	
ELES□1R5□A	1.5	50	65		0.34		608	
ELES□1R8□A	1.8	50	55		0.37		577	
ELES□2R2□A	2.2	50	50		0.40		550	
ELES□2R7□A	2.7	50	45		0.44		520	
ELES□3R3□A	3.3	50	40		0.49		488	
ELES□3R9□A	3.9	50	35		0.53		466	
ELES□4R7□A	4.7	50	30		0.58		434	
ELES□5R6□A	5.6	±10 %	±5 %	50	2.52 MHz	27	0.64	422
ELES□6R8□A	6.8			50		25	0.70	398
ELES□8R2□A	8.2			50		22	0.77	378
ELES□100□A	10			50		20	0.84	353
ELES□120□A	12			50		18	1.03	339
ELES□150□A	15			50		15	1.15	316
ELES□180□A	18			50		12	1.26	301
ELES□220□A	22			50		11	1.40	272
ELES□270□A	27			50		10	1.58	254
ELES□330□A	33	40	40	9.5	1.79	239		
ELES□390□A	39	40	40	9.0	1.99	223		
ELES□470□A	47	40	40	8.5	2.25	213		
ELES□560□A	56	40	40	8.0	2.52	204		
ELES□680□A	68	40	40	7.5	2.87	174		
ELES□820□A	82	40	40	7.0	3.23	164		
ELES□101□A	100	40	40	6.5	3.64	150		
ELES□121□A	120	50	50	6.2	4.3	140		
ELES□151□A	150	50	50	5.7	5.0	130		
ELES□181□A	180	50	50	5.3	5.7	120		
ELES□221□A	220	50	50	4.0	6.5	112		
ELES□271□A	270	50	50	3.6	8.0	90		
ELES□331□A	330	50	50	796 kHz	3.3	11.0	87	
ELES□391□A	390	50	50	3.0	12.0	80		
ELES□471□A	470	50	50	2.8	14.0	76		
ELES□561□A	560	50	50	2.4	20.0	69		
ELES□681□A	680	50	50	2.2	22.5	65		
ELES□821□A	820	50	50	2.0	25.5	61		
ELES□102□A	1000	50	50	1.8	29.5	56		

Dimensions in mm (not to scale)



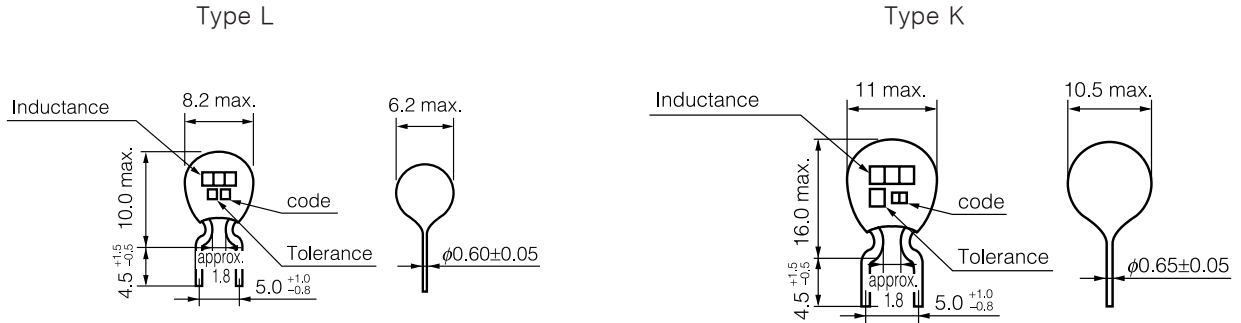
*DC Resistance

Examples : Type L, K

Part No.	Inductance (μH)	Type L							Type K							
		Inductance Tolerance		Q min.	Test Frequency	SRF (MHz) min.	DCR* (Ω) max.	DC Current (mA)	Inductance Tolerance		Q min.	Test Frequency	SRF (MHz) min.	DCR* (Ω) max.	DC Current (mA)	
		Standard	Special						Standard	Special						
ELE□□1R0□A	1.0	±20 %	±10 %	—	7.96 MHz	68	0.05	1600	±20 %	±10 %	—	—	37	0.048	2400	
ELE□□1R5□A	1.5					60	0.06	1500								—
ELE□□2R2□A	2.2					52	0.07	1400								
ELE□□3R3□A	3.3					45	0.08	1300								
ELE□□4R7□A	4.7					32	0.10	1200								
ELE□□6R8□A	6.8					25	0.12	1100								
ELE□□100□A	10	±10 %	±5 %	20	2.52 MHz	19	0.14	1000	±10 %	±5 %	10 kHz	13	15.6	0.048	1740	
ELE□□120□A	12					20	0.15	920				14	14.2	0.052	1670	
ELE□□150□A	15					20	0.17	850				15	12.7	0.059	1590	
ELE□□180□A	18					15	0.20	770				16	11.6	0.066	1520	
ELE□□220□A	22					15	0.22	730				17	10.4	0.074	1440	
ELE□□270□A	27					15	0.25	650				18	9.40	0.083	1360	
ELE□□330□A	33					15	0.30	600				19	8.20	0.094	1290	
ELE□□390□A	39					15	0.35	550				19	7.40	0.105	1220	
ELE□□470□A	47					15	0.40	500				20	6.60	0.118	1120	
ELE□□560□A	56					15	0.57	460				20	5.90	0.133	1020	
ELE□□680□A	68					15	0.65	420				21	5.30	0.177	920	
ELE□□820□A	82					15	0.74	380				20	4.30	0.204	850	
ELE□□101□A	100					25	0.90	350				20	4.00	0.236	790	
ELE□□121□A	120					25	1.0	320				21	3.80	0.267	730	
ELE□□151□A	150					25	1.5	300				19	2.95	0.370	630	
ELE□□181□A	180					30	1.8	270				20	2.72	0.430	580	
ELE□□221□A	220					30	2.0	250				21	2.49	0.500	530	
ELE□□271□A	270					30	2.6	220				21	2.27	0.580	490	
ELE□□331□A	330				35	3.3	195	18				1.92	0.830	420		
ELE□□391□A	390				35	3.8	180	19				1.77	0.960	398		
ELE□□471□A	470				35	5.0	160	19				1.60	1.10	368		
ELE□□561□A	560				40	6.0	150	20				1.46	1.26	339		
ELE□□681□A	680				40	7.0	140	16				1.26	2.03	288		
ELE□□821□A	820				40	8.0	125	17				1.17	2.28	268		
ELE□□102□A	1000				45	10	115	17				1.08	2.61	248		
ELE□□122□A	1200				45	12	100	18				1.01	2.98	229		
ELE□□152□A	1500				45	15	90	19				0.930	3.50	208		
ELE□□182□A	1800				45	20	80	19				0.860	4.10	192		
ELE□□222□A	2200				45	23	74	17				0.700	5.80	164		
ELE□□272□A	2700				40	30	65	18				0.620	6.80	147		
ELE□□332□A	3300				40	37	60	19				0.550	7.80	130		
ELE□□392□A	3900				40	42	55	20				0.500	8.70	119		
ELE□□472□A	4700				40	50	50	18				0.430	12.4	109		
ELE□□562□A	5600				40	60	45	18				0.390	14.1	103		
ELE□□682□A	6800	40	80	40	19	0.350	16.3	96								
ELE□□822□A	8200	40	95	37	20	0.310	18.7	90								
ELE□□103□A	10000	25	110	34	17	0.291	28.8	73								
ELE□□123□A	12000	25	130	30	18	0.260	32.0	68								
ELE□□153□A	15000	25	170	27	19	0.227	38.0	62								
ELE□□183□A	18000								20	0.203	44.0	57				
ELE□□223□A	22000								21	0.179	51.0	51				

■ Dimensions in mm (not to scale)

- Style E (Bulk)



- Style N (Taping)

