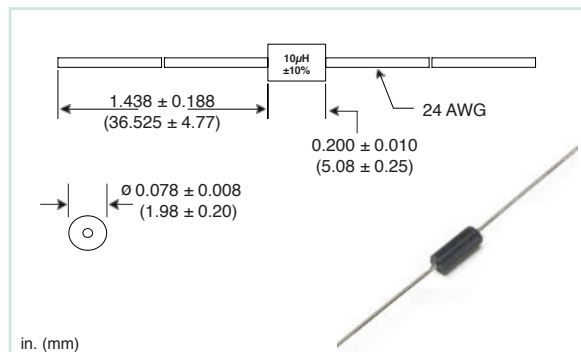


8M 
8MLF 

Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
8M100K	0.10	35	25	680	0.13	895
8M120K	0.12	35	25	650	0.15	835
8M150K	0.15	35	25	560	0.18	760
8M180K	0.18	35	25	540	0.21	705
8M220K	0.22	30	25	500	0.25	645
8M270K	0.27	30	25	440	0.38	525
8M330K	0.33	25	25	410	0.49	460
8M390K	0.39	25	25	380	0.59	420
8M470K	0.47	25	25	340	0.62	410
POWDERED IRON CORE						
8M560K	0.56	40	25	250	0.18	510
8M680K	0.68	40	25	215	0.20	485
8M820K	0.82	40	25	200	0.22	465
8M101K	1.0	40	25	190	0.25	435
8M121K	1.2	35	7.9	170	0.28	410
8M151K	1.5	40	7.9	150	0.49	310
8M181K	1.8	40	7.9	135	0.56	290
8M221K	2.2	45	7.9	130	0.72	257
8M271K	2.7	45	7.9	110	0.85	236
8M331K	3.3	45	7.9	100	1.2	198
8M391K	3.9	50	7.9	95	1.5	178
8M471K	4.7	55	7.9	88	2.1	150
8M561K	5.6	55	7.9	78	2.8	130
8M681K	6.8	55	7.9	69	3.2	122
8M821K	8.2	45	7.9	52	4.4	104
8M102K	10	45	7.9	47	5.2	95
8M122K	12	40	2.5	31	3.0	126
8M152K	15	40	2.5	26	3.4	118
8M182K	18	40	2.5	23	3.8	112
8M222K	22	45	2.5	20	4.3	105
8M272K	27	45	2.5	17	4.7	100
8M332K	33	45	2.5	15	5.2	95
8M392K	39	45	2.5	13.5	6.8	83.5
8M472K	47	45	2.5	12.5	8.2	76
8M562K	56	45	2.5	11.5	10	69
8M682K	68	45	2.5	10.5	11.5	64
8M822K	82	45	2.5	10	16	54.5
8M103K	100	45	2.5	9.5	17.5	52
FERRITE CORE						
8M123K	120	35	0.79	8.9	16	54.5
8M153K	150	35	0.79	7.9	18	51
8M183K	180	35	0.79	7.5	20	49
8M223K	220	35	0.79	7.1	26.5	42.5
8M273K	270	35	0.79	6.6	30.5	39

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron & Ferrite
- **Current Rating** at a 90°C Ambient:
15°C Rise for Phenolic
35°C Rise for Powdered Iron & Ferrite
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 0.25 grams
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
8M121KLF

Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory

Termination: LF = RoHS compliant tin-silver copper over copper

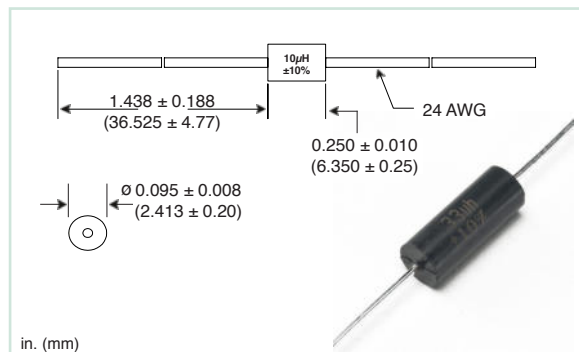
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum: 5000
Pitch between parts: 0.200 in.
Tape width: 2.062 in.
Reel diameter: 12 in.
Class: 1

10M 
10MLF 

Molded Unshielded RF Coils



PART NUMBER	L μH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
10M100K	0.10	40	25	680	0.080	1350
10M110J	0.11	40	25	660	0.085	1309
10M120K	0.12	40	25	640	0.090	1270
10M130J	0.13	38	25	625	0.095	1239
10M150K	0.15	38	25	600	0.100	1200
10M160J	0.16	35	25	580	0.110	1151
10M180K	0.18	35	25	550	0.120	1105
10M200J	0.20	33	25	530	0.130	1059
10M220K	0.22	33	25	510	0.140	1025
10M240J	0.24	33	25	475	0.150	986
10M270K	0.27	33	25	430	0.160	960
10M300J	0.30	30	25	420	0.190	876
10M330K	0.33	30	25	410	0.220	815
10M360J	0.36	30	25	385	0.260	749
10M390K	0.39	30	25	365	0.300	700
10M430J	0.43	30	25	345	0.325	670
10M470K	0.47	30	25	330	0.350	650
10M510J	0.51	30	25	310	0.420	589
10M560K	0.56	30	25	300	0.500	545
10M620J	0.62	28	25	290	0.550	515
10M680K	0.68	28	25	275	0.600	495
10M750J	0.75	28	25	265	0.710	453
10M820K	0.82	28	25	250	0.850	415
10M910J	0.91	25	25	240	0.925	397
10M101K	1.00	25	25	230	1.00	385
POWDERED IRON CORE						
10M111J	1.10	25	7.9	165	0.170	607
10M121K	1.20	25	7.9	150	0.180	590
10M131J	1.30	28	7.9	145	0.200	560
10M151K	1.50	28	7.9	140	0.220	535
10M161J	1.60	30	7.9	135	0.250	501
10M181K	1.80	30	7.9	125	0.300	455
10M201J	2.00	30	7.9	120	0.350	425
10M221K	2.20	30	7.9	115	0.400	395
10M241J	2.40	37	7.9	109	0.460	380
10M271K	2.70	37	7.9	100	0.550	355
10M301J	3.00	45	7.9	95	0.700	299
10M331K	3.30	45	7.9	90	0.850	270
10M361J	3.60	45	7.9	85	0.925	260
10M391K	3.90	45	7.9	80	1.00	250
10M431J	4.30	45	7.9	77	1.10	240
10M471K	4.70	45	7.9	75	1.20	230
10M511J	5.10	50	7.9	69	1.47	216
10M561K	5.60	50	7.9	65	1.80	185
10M621J	6.20	50	7.9	62	1.90	180
10M681K	6.80	50	7.9	60	2.00	180
10M751J	7.50	50	7.9	57	2.35	165
10M821K	8.20	55	7.9	55	2.70	155
10M911J	9.10	55	7.9	52	3.00	145
10M102K	10	55	7.9	50	3.70	130
10M112J	11	45	2.5	45	2.60	156
10M122K	12	45	2.5	40	2.70	155
10M132J	13	45	2.5	38	2.80	150
10M152K	15	45	2.5	35	2.80	150
10M162J	16	45	2.5	33	2.90	147
10M182K	18	50	2.5	30	3.10	145
10M202J	20	50	2.5	27.5	3.20	142
10M222K	22	50	2.5	25	3.30	140
10M242J	24	50	2.5	23	3.40	137
10M272K	27	50	2.5	20	3.50	135

NOTES:

- **Operating Temperature Range:**
 -55°C to +125°C for Phenolic
 -55°C to +105°C for Powdered Iron & Ferrite
- **Current Rating** at a 90°C Ambient:
 35°C Rise for Phenolic
 15°C Rise for Powdered Iron & Ferrite
- **DWV** 1000 Vrms @ Sea Level
 300 Vrms @ 70,000 Feet for Phenolic & Powdered Iron
 200 Vrms @ 70,000 Feet for Ferrite
- **Weight Max:** 0.30 grams
- **Marking:** Inductance with units and tolerance
 0.10μH
 ±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
 10M100KLF
Tolerance: M = 20%, K = 10%, J = 5%
 (Table shows lowest standard tolerance option)
 *Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum: 3500
 Pitch between parts: 0.200 in.
 Tape width: 2.062 in.
 Reel diameter: 12 in.
 Class: 1

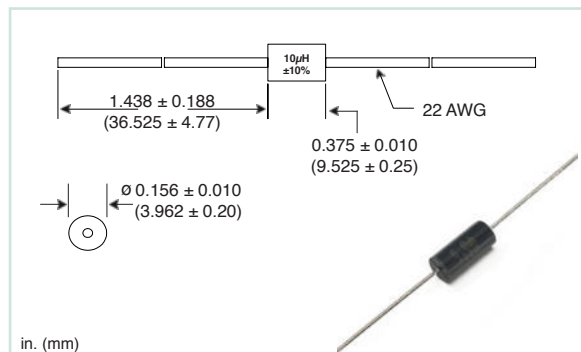
10M 
10MLF* 

Molded Unshielded RF Coils

PART NUMBER	L μH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
FERRITE CORE						
10M302J	30	45	2.5	22	3.3	132
10M332K	33	45	2.5	24	3.4	130
10M362J	36	45	2.5	23	3.5	127
10M392K	39	45	2.5	22	3.6	125
10M432J	43	45	2.5	21	4.1	116
10M472K	47	45	2.5	20	4.5	110
10M512J	51	45	2.5	19	5.0	105
10M562K	56	45	2.5	18	5.7	100
10M622J	62	50	2.5	16.5	6.2	94
10M682K	68	50	2.5	15	6.7	92
10M752J	75	50	2.5	14.5	7.0	89
10M822K	82	50	2.5	14	7.3	88
10M912J	91	50	2.5	13.5	7.7	85
10M103K	100	50	2.5	13	8.0	84
10M113J	110	30	0.79	12.5	11	71
10M123K	120	30	0.79	12	13	66
10M133J	130	30	0.79	11.5	14	63
10M153K	150	30	0.79	11	15	61
10M163J	160	30	0.79	10.5	16	59
10M183K	180	30	0.79	10	17	57
10M203J	200	30	0.79	9.5	19	54
10M223K	220	30	0.79	9.0	21	52
10M243J	240	30	0.79	8.5	23	49
10M273K	270	30	0.79	8.0	25	47
10M303J	300	30	0.79	7.5	27	46
10M333K	330	30	0.79	7.0	28	45
10M363J	360	30	0.79	6.75	32	41
10M393K	390	30	0.79	6.5	35	40
10M433J	430	30	0.79	6.25	39	37
10M473K	470	30	0.79	6.0	42	36
10M513J	510	30	0.79	5.5	44	35
10M563K	560	30	0.79	5.0	46	35
10M623J	620	30	0.79	4.6	53	32
10M683K	680	30	0.79	4.0	60	30
10M753J	750	30	0.79	4.0	63	29
10M823K	820	30	0.79	3.8	65	29
10M913J	910	30	0.79	3.6	69	28
10M104K	1000	30	0.79	3.4	72	28

15M 15MLF* TRADITIONAL Pb RoHS COMPLIANT

Molded Unshielded RF Coils



PART NUMBER	L μH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
15M150M	0.15	50	25	525	0.030	2450
15M220M	0.22	50	25	450	0.055	1900
15M330M	0.33	45	25	360	0.090	1400
15M470M	0.47	45	25	310	0.120	1225
15M560K	0.56	50	25	280	0.135	1220
15M680K	0.68	50	25	250	0.150	1100
15M820K	0.82	50	25	220	0.220	900
15M101K	1.00	50	25	200	0.290	830
15M121K	1.20	33	7.9	180	0.420	650
15M151K	1.50	33	7.9	160	0.500	600
15M181K	1.80	33	7.9	150	0.650	525
15M221K	2.20	33	7.9	135	0.950	435
15M271K	2.70	33	7.9	120	1.20	385
15M331K	3.30	33	7.9	110	2.00	300
15M391K	3.90	33	7.9	100	2.30	280
15M471K	4.70	33	7.9	90	2.60	260
POWDERED IRON CORE						
15M561K	5.60	45	7.9	60	0.320	495
15M681K	6.80	50	7.9	55	0.500	395
15M821K	8.20	50	7.9	50	0.600	360
15M102K	10	55	7.9	45	0.900	290
15M122K	12	65	2.5	42	1.10	265
15M152K	15	65	2.5	40	1.40	240
15M182K	18	75	2.5	34	2.25	185
15M222K	22	75	2.5	30	2.50	175
15M272K	27	60	2.5	25	2.60	170
15M332K	33	65	2.5	19	3.00	165
15M362J	36	60	2.5	15.5	2.50	180
15M392J	39	60	2.5	14.5	2.60	176
15M432J	43	60	2.5	13.7	2.70	172
15M472J	47	55	2.5	13.0	2.75	170
15M512J	51	55	2.5	12.7	2.85	167
15M562J	56	55	2.5	12.0	3.00	164
15M622J	62	55	2.5	11.5	3.15	160
15M682J	68	55	2.5	11.0	3.30	156
15M752J	75	55	2.5	10.5	3.70	147
15M822J	82	50	2.5	10.3	3.90	143
15M912J	91	50	2.5	10.0	4.30	136
15M103J	100	50	2.5	9.5	4.50	133
15M113J	110	60	0.79	8.9	4.90	128
15M123J	120	65	0.79	8.7	5.20	124
15M133J	130	65	0.79	8.5	5.45	121
15M153J	150	65	0.79	8.0	6.05	114
15M163J	160	65	0.79	7.5	6.40	111
15M183J	180	65	0.79	7.0	6.75	108
15M203J	200	65	0.79	6.5	7.10	106
15M223J	220	65	0.79	6.2	7.45	103
15M243J	240	65	0.79	5.9	7.80	101
15M273J	270	65	0.79	5.7	11.0	85
15M303J	300	65	0.79	5.4	11.5	83
15M333J	330	65	0.79	5.1	12.0	81
15M363J	360	65	0.79	4.8	12.5	80
15M393J	390	65	0.79	4.5	16.3	70
15M433J	430	65	0.79	4.2	17.1	68
15M473J	470	65	0.79	3.9	17.9	67
15M513J	510	65	0.79	3.8	18.8	65
15M563J	560	65	0.79	3.7	19.5	64
15M623J	620	65	0.79	3.3	25.9	55
15M683J	680	65	0.79	3.1	27.2	54
15M753J	750	65	0.79	2.9	28.6	53
15M823J	820	65	0.79	2.7	30.0	52
15M913J	910	65	0.79	2.5	31.5	50
15M104J	1000	65	0.79	2.3	33.0	49

NOTES:

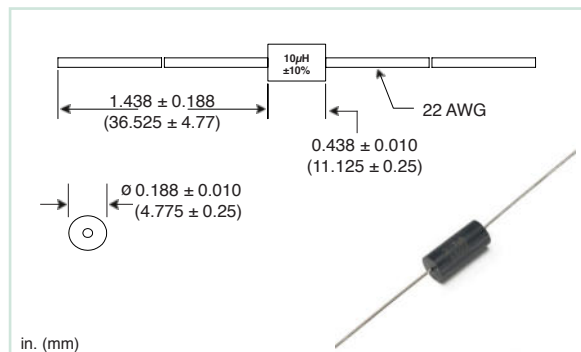
- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating** at a 90°C Ambient:
15°C Rise for Powdered Iron
35°C Rise for Phenolic
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 0.65 grams
- **Marking:** Inductance with units and tolerance
0.10μH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
15M150MLF
Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2500
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1

18M TRADITIONAL Pb
18MLF* RoHS COMPLIANT

Molded Unshielded RF Coils



Inductance Tolerance Options:

M ($\pm 20\%$), K ($\pm 10\%$), J ($\pm 5\%$), H ($\pm 3\%$), G ($\pm 2\%$), F ($\pm 1\%$)

Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER	L μH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
18M150M	0.15	55	25	510	0.030	3000
18M220M	0.22	50	25	415	0.035	2800
18M330M	0.33	50	25	350	0.065	2000
18M470M	0.47	50	25	300	0.085	1700
18M560K	0.56	50	25	270	0.125	1450
18M680K	0.68	45	25	250	0.150	1300
18M820K	0.82	40	25	210	0.205	1100
18M101K	1.0	40	25	200	0.290	930
18M121K	1.2	30	7.9	180	0.400	785
18M151K	1.5	30	7.9	170	0.485	700
18M181K	1.8	30	7.9	150	0.740	580
18M221K	2.2	30	7.9	140	0.970	505
18M271K	2.7	30	7.9	120	1.20	460
POWDERED IRON CORE						
18M331K	3.3	30	7.9	70	0.140	990
18M391K	3.9	30	7.9	65	0.155	870
18M471K	4.7	30	7.9	60	0.210	745
18M561K	5.6	30	7.9	50	0.280	645
18M681K	6.8	30	7.9	50	0.375	560
18M821K	8.2	30	7.9	48	0.440	540
18M102K	10	30	7.9	42	0.605	440
18M122K	12	50	2.5	36	1.05	370
18M152K	15	55	2.5	30	1.20	310
18M182K	18	60	2.5	30	1.95	255
18M222K	22	60	2.5	24	2.20	240
18M272K	27	65	2.5	22	2.75	205

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating at a 90°C Ambient:**
15°C Rise for Powdered Iron
35°C Rise for Phenolic
- **DWV 1000 Vrms @ Sea Level**
200 Vrms @ 70,000 Feet
- **Weight Max:** 0.95 grams
- **Marking:** Inductance with units and tolerance
0.10 μH
 $\pm 10\%$
- Body color is black
- When ordering, specify **tolerance & termination:**

18M150MLF

Tolerance: M = 20%, K = 10%

(Table shows lowest standard tolerance option)

*Optional tolerances are available; contact factory

Termination: LF = RoHS compliant tin-silver copper over copper

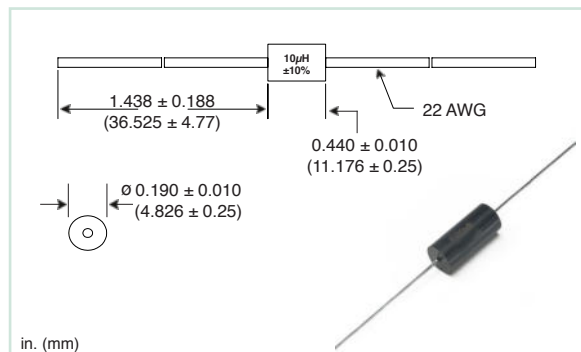
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2000
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1

19F 
19FLF* 

Molded Unshielded Inductor



PART NUMBER	L μH	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
FERRITE CORE				
19F273J	270	5.6	6.2	212
19F303J	300	5.3	6.6	205
19F333J	330	5.0	6.9	201
19F363J	360	4.7	7.2	196
19F393J	390	4.5	7.8	189
19F433J	430	4.3	8.1	185
19F473J	470	4.0	8.3	183
19F503J	500	3.7	8.6	180
19F513J	510	3.8	8.7	179
19F563J	560	3.6	9.4	172
19F623J	620	3.5	10	167
19F683J	680	3.4	10.3	164
19F753J	750	3.3	11.2	158
19F823J	820	3.1	11.8	153
19F913J	910	2.9	12.4	150
19F104J	1000	2.8	12.8	147

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 1.3 grams
- **Marking:** Inductance with units and tolerance
270μH

Especially designed for applications where high inductance with low DC resistance is required

- Epoxy encapsulated for environmental protection and superior strength
- When ordering, specify **tolerance & termination:**

19F273JLF

Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory

Termination: LF = RoHS compliant tin-silver copper over copper

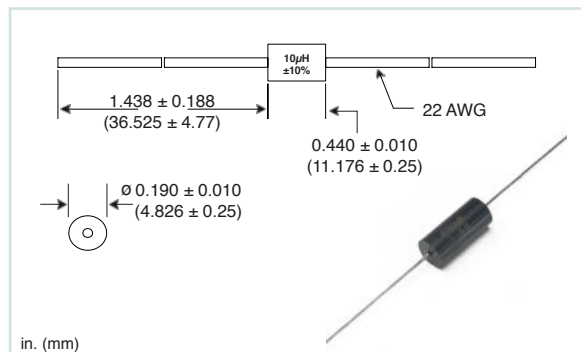
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum: 2000
Pitch between parts: 0.200 in.
Tape width: 2.062 in.
Reel diameter: 12 in.
Class: 1

19M 
19MLF 

Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
POWDERED IRON CORE						
19M273J	270	65	0.79	5.6	8.2	110
19M303J	300	65	0.79	5.3	8.7	107
19M333J	330	65	0.79	5.0	9.1	105
19M363J	360	65	0.79	4.7	9.6	102
19M393J	390	65	0.79	4.5	10.0	100
19M433J	430	65	0.79	4.3	10.6	97
19M473J	470	65	0.79	4.0	11.1	95
19M513J	510	65	0.79	3.8	11.6	93
19M563J	560	65	0.79	3.6	12.3	91
19M623J	620	60	0.79	3.5	13.0	88
19M683J	680	60	0.79	3.4	13.7	85
19M753J	750	60	0.79	3.3	14.4	83
19M823J	820	60	0.79	3.1	15.1	81
19M913J	910	60	0.79	2.9	15.8	79
19M104J	1000	60	0.79	2.8	16.5	78

NOTES:

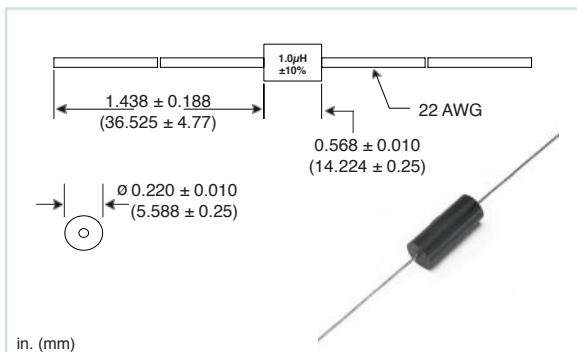
- **Operating Temperature Range:**
-55°C to +105°C
- **Current Rating** is based on a 15°C temperature rise at an ambient temperature of 90°C
- **DWV** 700 Vrms @ Sea Level
180 Vrms @ 70,000 Feet
- **Weight Max:** 1.3 grams
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
19M273JLF
Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2000
Pitch between parts:	0.200 in.
Inside Tape Spacing:	2.062 in.
Reel diameter:	12 in.
Class:	1

21M
21MLF*

Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
21M470K	0.47	65	25	300	0.06	1970
21M560K	0.56	65	25	270	0.08	1850
21M680K	0.68	65	25	240	0.08	1700
21M820K	0.82	65	25	220	0.11	1520
21M101K	1.0	65	25	200	0.14	1290
21M121K	1.2	40	7.9	180	0.19	1120
21M151K	1.5	40	7.9	160	0.28	925
21M181K	1.8	40	7.9	150	0.37	790
21M221K	2.2	40	7.9	135	0.50	680
21M271K	2.7	40	7.9	120	0.65	600
21M331K	3.3	40	7.9	105	1.00	480
21M391K	3.9	40	7.9	100	1.20	440
21M471K	4.7	40	7.9	90	1.80	360
POWDERED IRON CORE						
21M561K	5.6	35	7.9	55	0.13	885
21M681K	6.8	35	7.9	50	0.20	710
21M821K	8.2	35	7.9	44	0.22	680
21M102K	10	35	7.9	42	0.26	625
21M122K	12	45	2.5	34	0.45	465
21M152K	15	45	2.5	32	0.52	442
21M182K	18	50	2.5	28	0.70	380
21M222K	22	60	2.5	24	1.00	326
21M272K	27	60	2.5	22	1.30	275
21M332K	33	60	2.5	20	1.50	258
21M392K	39	70	2.5	18	2.00	224

NOTES:

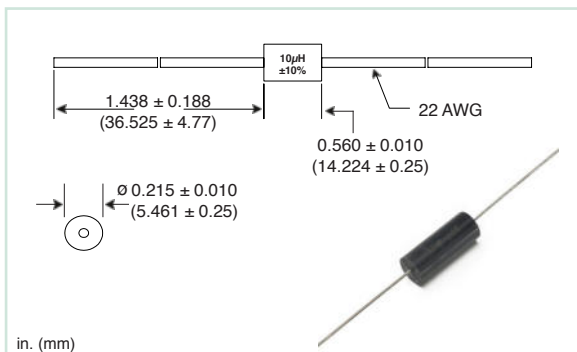
- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating** at a 90°C Ambient:
15°C Rise for Powdered Iron
35°C Rise for Phenolic
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 1.7 grams
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
21M470KLF
Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	1000
Pitch between parts:	0.400 in.
Tape width:	2.500 in.
Reel diameter:	12 in.
Class:	2

22M 
22MLF 

Molded Unshielded RF Coils



PART NUMBER	L μH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
POWDERED IRON CORE						
22M114J	1100	60	0.25	2.8	21	78
22M124J	1200	60	0.25	2.7	22	76
22M134J	1300	60	0.25	2.6	23	75
22M154J	1500	65	0.25	2.4	25	72
22M164J	1600	65	0.25	2.3	26	70
22M184J	1800	65	0.25	2.2	28	68
22M204J	2000	65	0.25	2.1	29	67
22M224J	2200	70	0.25	2.0	30	66
22M244J	2400	70	0.25	1.9	31	64
22M274J	2700	70	0.25	1.8	33	62
22M304J	3000	70	0.25	1.7	35	61
22M334J	3300	70	0.25	1.6	38	58
22M364J	3600	70	0.25	1.5	40	57

NOTES:

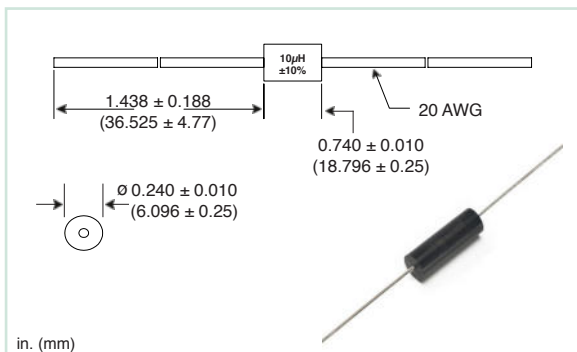
- **Operating Temperature Range:**
-55°C to +105°C
- **Current Rating** is based on a 15°C temperature rise at an ambient temperature of 90°C
- **DWV** 700 Vrms @ Sea Level
180 Vrms @ 70,000 Feet
- **Weight Max:** 1.7 grams
- **Marking:** Inductance with units and tolerance
0.10μH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
22M114JLF
Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	1000
Pitch between parts:	0.400 in.
Inside Tape Spacing:	2.500 in.
Reel diameter:	12 in.
Class:	2

24M 
24MLF 

Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
POWDERED IRON CORE						
24M394J	3900	80	0.25	1.45	44	61
24M434J	4300	80	0.25	1.40	46	59
24M474J	4700	80	0.25	1.35	48	58
24M504J	5000	80	0.25	1.30	50	57
24M564J	5600	80	0.25	1.25	53	56
24M624J	6200	80	0.25	1.20	56	54
24M684J	6800	80	0.25	1.15	59	52
24M754J	7500	80	0.25	1.10	62	51
24M824J	8200	80	0.25	1.05	65	50
24M914J	9100	80	0.25	1.00	68	49
24M105J	10000	80	0.25	0.95	72	47

NOTES:

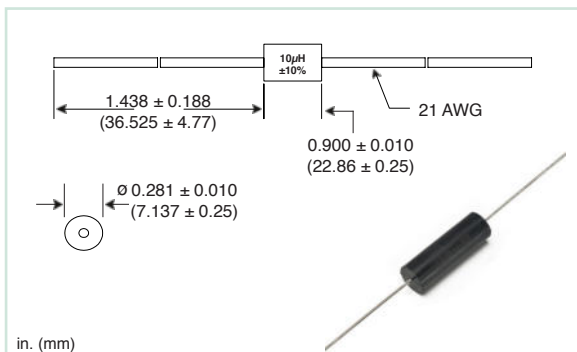
- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating** is based on a 15°C temperature rise at an ambient temperature of 90°C
- **DWV** 700 Vrms @ Sea Level
180 Vrms @ 70,000 Feet
- **Weight Max:** 2.35 gram
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
24M394JLF
Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	1000
Pitch between parts:	0.400 in.
Inside Tape Spacing:	2.500 in.
Reel diameter:	12 in.
Class:	2

28M
28MLF*

Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
28M121K	1.2	60	7.9	170	0.079	2400
28M151K	1.5	60	7.9	160	0.090	2150
28M181K	1.8	60	7.9	140	0.135	1750
28M221K	2.2	60	7.9	125	0.160	1600
28M271K	2.7	60	7.9	115	0.220	1350
28M331K	3.3	60	7.9	100	0.305	1150
28M391K	3.9	60	7.9	95	0.450	955
28M471K	4.7	60	7.9	90	0.560	860
28M561K	5.6	60	7.9	80	0.745	745
28M681K	6.8	60	7.9	75	1.05	635
28M821K	8.2	60	7.9	68	1.40	550
28M102K	10	60	7.9	60	1.90	460
28M122K	12	40	2.5	53	2.65	395
28M152K	15	40	2.5	50	3.25	355
28M182K	18	40	2.5	45	4.15	315
POWDERED IRON CORE						
28M222K	22	50	2.5	24	0.295	725
28M272K	27	45	2.5	22	0.350	660
28M332K	33	60	2.5	19	0.550	525
28M392K	39	55	2.5	18	0.650	485
28M472K	47	65	2.5	16	1.00	390
28M562K	56	65	2.5	14	1.15	360
28M682K	68	75	2.5	13	1.85	285
28M822K	82	75	2.5	12	2.10	265
28M103K	100	75	2.5	12	2.50	245
28M123K	120	95	0.79	10	4.10	195

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating** at a 90°C Ambient:
15°C Rise for Powdered Iron
35°C Rise for Phenolic
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 2.65 grams
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
28M121KLF
Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

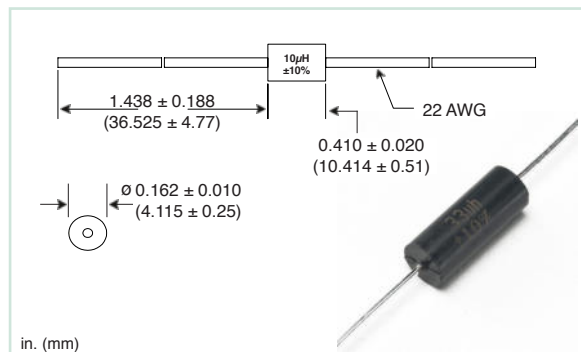
TAPE AND REEL SPECS:

Pcs./Reel maximum:	1000
Pitch between parts:	0.400 in.
Tape width:	2.500 in.
Reel diameter:	12 in.
Class:	2

17S 

17SLF 

Molded Shielded Inductor



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE/POWDERED IRON SLEEVE						
17S100K	0.10	50	25	250	0.025	1790
17S120K	0.12	51	25	250	0.034	1530
17S150K	0.15	51	25	250	0.037	1470
17S180K	0.18	50	25	250	0.047	1300
17S220K	0.22	49	25	250	0.067	1100
17S270K	0.27	47	25	250	0.110	855
17S330K	0.33	46	25	250	0.130	780
17S390K	0.39	44	25	250	0.180	670
17S470K	0.47	44	25	235	0.250	565
17S560K	0.56	43	25	210	0.330	490
17S680K	0.68	42	25	190	0.450	420
17S820K	0.82	40	25	180	0.590	370
POWDERED IRON CORE/POWDERED IRON SLEEVE						
17S101K	1.0	44	25	140	0.070	1070
17S121K	1.2	44	7.9	130	0.100	895
17S151K	1.5	44	7.9	115	0.120	815
17S181K	1.8	44	7.9	105	0.140	775
17S221K	2.2	44	7.9	100	0.190	650
17S271K	2.7	44	7.9	92	0.280	535
17S331K	3.3	44	7.9	85	0.350	480
17S391K	3.9	44	7.9	75	0.400	450
17S471K	4.7	44	7.9	70	0.550	380
17S561K	5.6	44	7.9	65	0.720	335
17S681K	6.8	50	7.9	55	1.02	280
17S821K	8.2	50	7.9	50	1.32	250
17S102K	10	50	7.9	46	1.62	220
17S122K	12	55	2.5	44	2.0	200
FERRITE CORE/FERRITE SLEEVE						
17S152K	15	45	2.5	49	0.800	315
17S182K	18	45	2.5	45	0.890	300
17S222K	22	45	2.5	41	0.960	290
17S272K	27	45	2.5	38	1.19	260
17S332K	33	45	2.5	34	1.37	240
17S392K	39	50	2.5	29	1.93	205
17S472K	47	50	2.5	27	2.11	195
17S562K	56	50	2.5	25	2.23	190
17S682K	68	50	2.5	21	2.70	170
17S822K	82	50	2.5	10.5	2.44	180
17S103K	100	50	2.5	10	3.12	160
17S123K	120	55	0.79	9.7	3.6	150
17S153K	150	55	0.79	8.5	4.1	140
17S183K	180	55	0.79	8.0	4.4	135
17S223K	220	55	0.79	7.5	5.0	125
17S273K	270	55	0.79	7.0	5.8	115
17S333K	330	55	0.79	6.5	6.4	110
17S393K	390	60	0.79	6.2	7.4	105
17S473K	470	60	0.79	5.7	9.5	92
17S563K	560	60	0.79	4.7	10.5	90
17S683K	680	60	0.79	4.5	11.8	80
17S823K	820	60	0.79	4.2	13	80
17S104K	1000	60	0.79	3.8	17.5	70
17S124K	1200	45	0.25	1.5	22.1	60
17S154K	1500	45	0.25	1.2	26.5	55
17S184K	1800	45	0.25	1.0	29.9	50
17S224K	2200	45	0.25	0.97	33.8	50
17S274K	2700	45	0.25	0.92	47.3	40
17S334K	3300	45	0.25	0.84	53	40
17S394K	3900	45	0.25	0.80	73.8	35
17S474K	4700	45	0.25	0.74	81.6	31
17S564K	5600	44	0.25	0.73	98.9	28
17S684K	6800	40	0.25	0.66	111	27
17S824K	8200	40	0.25	0.54	119	26
17S105K	10000	40	0.25	0.47	137	24

NOTES:

- **Operating Temperature Range:**
-55°C to +105°C
- **Current Rating** is based on a 15°C temperature rise at an ambient temperature of 90°C
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight Max:** 0.70 grams
- **Marking:** Inductance with units and tolerance
0.10µH
±10%
- Body color is black
- When ordering, specify **tolerance & termination:**
17S100KLF
Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory
Termination: LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2500
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1