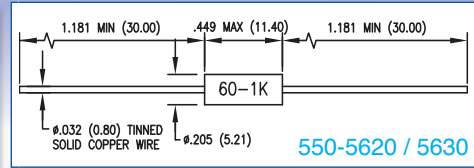
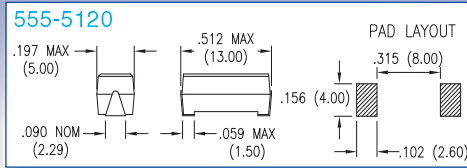
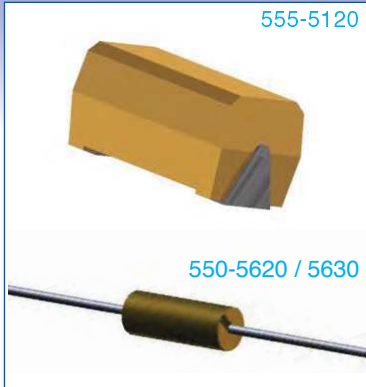


# RFID TRANSPONDER COIL

Dimensions in inches (mm)



Packaging		
-00	Loose	
-36	Tape (1,000 per reel)	
Inductance Tolerance Coded Dash Numbers		
G	±2%	To Order
J	±5%	Standard
K	±10%	To Order

**How to order code**

**55X - XXXX - XX - XX - XX**

Basic Part No. | Inductance Tolerance | Inductance Code | Packaging

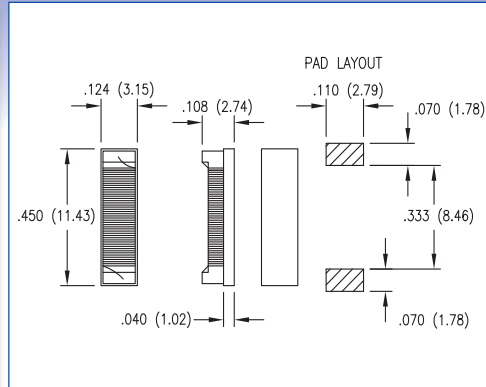
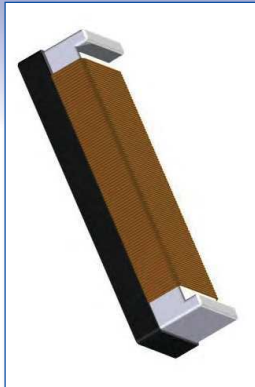
Basic Part No.	Inductance	"Q" min.	Test Frequency (KHz)	SRF min. (KHz)	DCR Max. (Ω)	
555-5120	-29-1 *	0.29mH	20	125	1000	8.50
550-5620	-34-1	0.34mH	20	125	1000	9.30
550-5630	-41-1 *	0.41mH	20	125	1000	10.3
	-49-1	0.49mH	20	125	1000	11.4
	-60-1 *	0.60mH	20	125	1000	13.0
	-73-1	0.73mH	20	125	1000	15.0
	-90-1	0.90mH	20	125	1000	17.0
	-11-2 *	1.08mH	20	125	1000	21.0
	-14-2	1.38mH	20	125	1000	22.0
	-16-2 *	1.62mH	20	125	600	25.7
	-19-2	1.97mH	20	125	400	29.2
	-24-2	2.38mH	22	125	400	41.0
	-29-2	2.89mH	25	125	400	44.6
	-34-2 *	3.44mH	25	125	400	69.8
	-42-2 *	4.15mH	25	125	350	76.2
	-49-2	4.91mH	25	125	350	87.2
	-60-2 *	6.00mH	25	125	350	99.0
	-72-2 *	7.20mH	25	125	330	130
	-74-2	7.36mH	25	125	300	141
	-90-2 *	9.00mH	22	125	300	310
	-11-3	10.8mH	20	125	300	340
	-14-3 *	13.5mH	20	125	300	360
	-16-3	16.2mH	20	125	300	364
	-20-3 *	19.8mH	20	125	300	462
	-24-3	23.8mH	20	125	300	510

**Temperature Range:** -55°C to +100°C  
 Devices are RoHS compliant  
 555-5120 and 550-5620 series are an over moulded construction 550-5630 are covered with shrink sleeve

\* All asterisked lines feature in the Engineers designer kit (10 off each part),  
 part number 555-5120-00-00-00 moulded surface mount  
 part number 550-5620-00-00-00 moulded through hole, axial  
 part number 550-5630-00-00-00 sleeved through hole, axial

# RFID TRANSPONDER COIL - CERAMIC

Dimensions in inches (mm)



## Inductance Tolerance Coded Dash Numbers

J	±5%	Standard
K	±10%	To Order
M	±20%	To Order

## How to order code

**555 - 5130 - XX - XX - 36**

Basic Part No.

Inductance Tolerance  
Inductance Code

Basic Part No.	Inductance	"Q" min.	Test Frequency (KHz)	SRF min. (KHz)	DCR Max. (Ω)	
555-5130	-40-1	0.40mH	15	125	4500	7.40
	-90-1	0.90mH	15	125	4000	22.0
	-11-2	1.08mH	15	125	4000	25.0
	-20-2	1.97mH	17	125	2400	34.0
	-24-2	2.38mH	17	125	2200	39.0
	-33-2	3.30mH	17	125	1800	51.0
	-41-2	4.15mH	17	125	1700	74.0
	-49-2	4.90mH	17	125	1300	96.0
	-68-2	6.80mH	17	125	1000	112
	-71-2	7.10mH	17	125	1000	115
-81-2	8.10mH	17	125	960	123	

Temperature Range: -40°C to +85°C

Devices are RoHS compliant  
Supplied on reels of 3,000 pcs on a 330mm reel

## Transformers and custom products

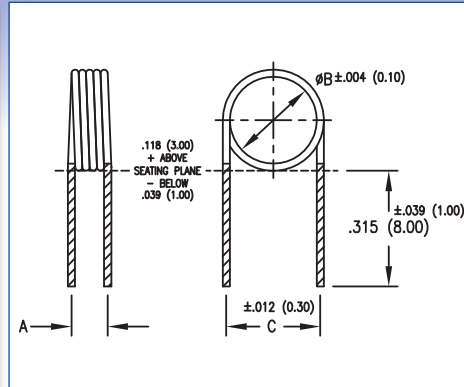
In addition to its standard range of inductive products, Cambion can offer a wide range of transformer types which would be engineered application specific, accommodating power rating from 0.2VA to over 500VA, in through hole, surface mount, open frame and potted styles. Typical application include, DC-DC Converters, AC-DC or DC-AC power supplies.

Additionally Cambion are able to assist with inductive component development, either via a hybrid version of a standard product or to an application specific device requirement. Cambion offers fast turnaround of prototypes to low cost, high volumes via its UK manufacturing activity and Far Eastern associate group facilities.



# AIR COILS

Dimensions in inches (mm)



How to order code  
**555 - 20XX - XX - 00 - 00**

Basic Part No.      Inductance Code

Basic Part No.	Turns	Inductance	Q Min.	Test Frequency (MHz)	DCR (typical)	SRF Min.	Dimension A	Dimension B	Dimension C	
555-2030	-03	3½	40.0 nH ±7%	150	100	4.6 mΩ	2.1 GHz	.087 (2.20)	.118 (3.00)	.146 (3.70)
	-04	4½	55.0 nH ±7%	150	100	5.7 mΩ	2.0 GHz	.110 (2.80)	.118 (3.00)	.146 (3.70)
	-05	5½	70.0 nH ±7%	140	100	6.9 mΩ	1.9 GHz	.130 (3.30)	.118 (3.00)	.146 (3.70)
	-06	6½	90.0 nH ±7%	140	100	7.7 mΩ	1.8 GHz	.154 (3.90)	.118 (3.00)	.146 (3.70)
	-07	7½	105 nH ±5%	130	100	9.0 mΩ	1.7 GHz	.174 (4.40)	.118 (3.00)	.146 (3.70)
	-08	8½	120 nH ±5%	130	100	10.1 mΩ	1.6 GHz	.197 (5.00)	.118 (3.00)	.146 (3.70)
	-09	9½	140 nH ±5%	130	100	11.0 mΩ	1.5 GHz	.217 (5.50)	.118 (3.00)	.146 (3.70)
	-10	10½	160 nH ±5%	130	100	11.9 mΩ	1.5 GHz	.240 (6.10)	.118 (3.00)	.146 (3.70)
	-11	11½	175 nH ±5%	120	100	13.0 mΩ	1.4 GHz	.260 (6.60)	.118 (3.00)	.146 (3.70)
	-12	12½	195 nH ±5%	120	100	14.0 mΩ	1.4 GHz	.283 (7.20)	.118 (3.00)	.146 (3.70)
	-13	13½	210 nH ±5%	120	100	15.2 mΩ	1.3 GHz	.303 (7.70)	.118 (3.00)	.146 (3.70)
	-14	14½	230 nH ±5%	120	100	16.3 mΩ	1.3 GHz	.327 (8.30)	.118 (3.00)	.146 (3.70)
	-15	15½	250 nH ±5%	110	100	17.4 mΩ	1.2 GHz	.346 (8.80)	.118 (3.00)	.146 (3.70)
	-16	16½	265 nH ±5%	110	100	18.5 mΩ	1.2 GHz	.370 (9.40)	.118 (3.00)	.146 (3.70)
	-17	17½	290 nH ±5%	110	100	19.5 mΩ	1.1 GHz	.390 (9.90)	.118 (3.00)	.146 (3.70)
	-18	18½	305 nH ±3%	100	100	20.4 mΩ	1.1 GHz	.413 (10.5)	.118 (3.00)	.146 (3.70)
-19	19½	325 nH ±3%	100	100	21.5 mΩ	1.0 GHz	.433 (11.0)	.118 (3.00)	.146 (3.70)	
-20	20½	345 nH ±3%	90	100	22.6 mΩ	1.0 GHz	.457 (11.6)	.118 (3.00)	.146 (3.70)	
555-2060	-03	3½	100 nH ±5%	140	50.0	8.0 mΩ	800 MHz	.087 (2.20)	.236 (6.00)	.267 (6.70)
	-04	4½	145 nH ±5%	140	50.0	10.3 mΩ	675 MHz	.110 (2.80)	.236 (6.00)	.267 (6.70)
	-05	5½	195 nH ±5%	140	50.0	11.8 mΩ	575 MHz	.130 (3.30)	.236 (6.00)	.267 (6.70)
	-06	6½	250 nH ±5%	130	50.0	13.6 mΩ	525 MHz	.154 (3.90)	.236 (6.00)	.267 (6.70)
	-07	7½	305 nH ±5%	130	50.0	15.6 mΩ	478 MHz	.174 (4.40)	.236 (6.00)	.267 (6.70)
	-08	8½	360 nH ±5%	130	50.0	17.0 mΩ	425 MHz	.197 (5.00)	.236 (6.00)	.267 (6.70)
	-09	9½	425 nH ±5%	120	50.0	18.9 mΩ	400 MHz	.217 (5.50)	.236 (6.00)	.267 (6.70)
	-10	10½	485 nH ±5%	120	50.0	20.3 mΩ	375 MHz	.240 (6.10)	.236 (6.00)	.267 (6.70)
	-11	11½	550 nH ±5%	120	50.0	22.2 mΩ	350 MHz	.260 (6.60)	.236 (6.00)	.267 (6.70)
	-12	12½	610 nH ±5%	110	50.0	24.1 mΩ	350 MHz	.283 (7.20)	.236 (6.00)	.267 (6.70)
	-13	13½	675 nH ±5%	110	50.0	25.8 mΩ	325 MHz	.303 (7.70)	.236 (6.00)	.267 (6.70)
	-14	14½	740 nH ±5%	110	50.0	28.0 mΩ	325 MHz	.327 (8.30)	.236 (6.00)	.267 (6.70)
	-15	15½	810 nH ±5%	100	50.0	29.7 mΩ	300 MHz	.346 (8.80)	.236 (6.00)	.267 (6.70)
	-16	16½	870 nH ±5%	100	50.0	31.8 mΩ	300 MHz	.370 (9.40)	.236 (6.00)	.267 (6.70)
	-17	17½	940 nH ±5%	100	50.0	33.3 mΩ	300 MHz	.390 (9.90)	.236 (6.00)	.267 (6.70)
	-18	18½	1000 nH ±5%	90	50.0	35.2 mΩ	275 MHz	.413 (10.5)	.236 (6.00)	.267 (6.70)
-19	19½	1065 nH ±5%	90	50.0	37.0 mΩ	275 MHz	.433 (11.0)	.236 (6.00)	.267 (6.70)	
-20	20½	1130 nH ±5%	80	50.0	38.7 mΩ	250 MHz	.457 (11.6)	.236 (6.00)	.267 (6.70)	

Devices are RoHS compliant

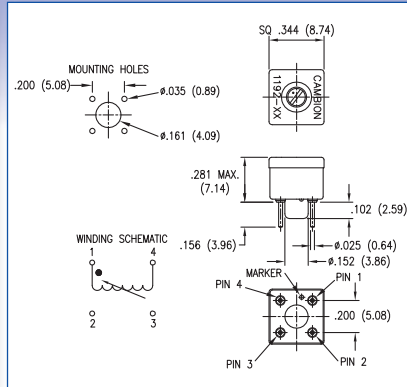
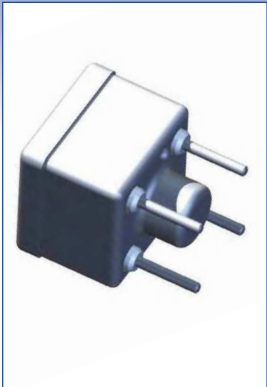
Typical I<sub>DC</sub> 555-2030 series 4Amps.  
 555-2060 series 2.5Amps

Wire 0.5mm Ø class 200

Leads tinned 96/3.5/0.5 tin/silver/copper

# VARIABLE COILS

Dimensions in inches (mm)



## Core Material

- 01 to -07 Carbonyl SF (Blue)
- 08 to -19 Carbonyl E (Red)
- 20 to -25 Carbonyl C (Yellow)

## How to order code

**558 - 1192 - XX - 00 - 00**

Basic Part No. \_\_\_\_\_

Inductance Code \_\_\_\_\_

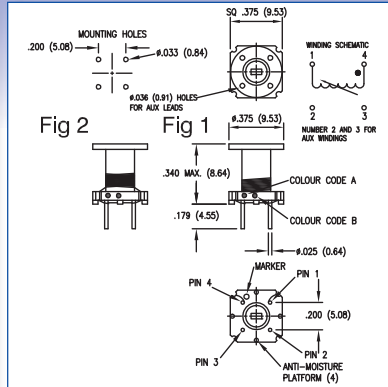
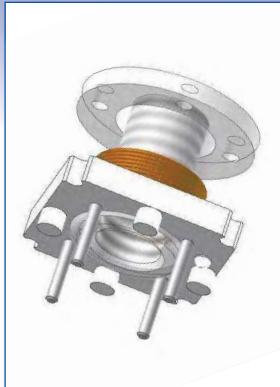
Basic Part No.	Inductance ( $\mu$ H)		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. ( $\Omega$ )	DC Max. (mA)	SRF Min. (MHz)	
	Min.	Max.							
558-1192	-01	0.080	0.120	50	65	25.0	0.050	1300	250
	-02	0.120	0.180	55	70	25.0	0.060	1200	250
	-03	0.180	0.270	55	70	25.0	0.100	1100	250
	-04	0.270	0.390	60	70	25.0	0.120	950	240
	-05	0.390	0.560	60	70	25.0	0.200	700	215
	-06	0.560	0.820	55	60	25.0	0.450	540	180
	-07	0.820	1.20	50	45	25.0	0.500	450	146
	-08	1.20	1.80	35	40	7.9	0.700	375	120
	-09	1.80	2.70	40	45	7.9	1.00	300	100
	-10	2.70	3.90	40	45	7.9	1.50	230	81.0
	-11	3.90	5.60	30	40	7.9	1.70	230	43.0
	-12	5.60	8.20	25	40	7.9	1.90	210	32.0
	-13	8.20	12.0	25	40	7.9	2.00	200	17.5
	-14	12.0	18.0	35	50	2.5	2.70	180	17.0
	-15	18.0	27.0	40	50	2.5	3.50	160	13.0
	-16	27.0	39.0	40	50	2.5	4.50	150	11.0
	-17	39.0	56.0	40	50	2.5	5.50	140	9.0
	-18	56.0	82.0	40	50	2.5	6.50	130	8.00
	-19	82.0	120	40	40	2.5	10.0	120	6.50
	-20	120	180	25	30	0.79	14.0	80.0	5.50
	-21	180	270	25	30	0.79	20.0	75.0	4.00
	-22	270	390	25	30	0.79	28.0	70.0	3.20
	-23	390	560	25	30	0.79	38.0	60.0	2.80
	-24	560	820	25	30	0.79	48.0	50.0	2.40
	-25	820	1200	25	30	0.79	65.0	40.0	1.90

Temperature Range: -55°C to +125°C

For RoHS Compliant add suffix -LF to the part number  
 Windings are varnish impregnated and powdered iron cores are moisture proofed  
 Recommended tuning tool 435-1880-01-00-00

# VARIABLE COILS

Dimensions in inches (mm)



## Core Material

- 01 to -13 Carbonyl J (Green)
- 14 to -49 Carbonyl E (Red)
- 50 to -73 Carbonyl C (Yellow)

## How to order code

**556 - 7105 - XX - 00 - 00**

Basic Part No.

Inductance Code

Fig.	Basic Part No.	Inductance (µH)		Colour Code		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)	
		Min.	Max.	A	B							
1	556-7105	-01	0.090	0.110	Brown	-	60	70	25.0	0.030	487	550
		-02	0.108	0.132	Red	-	60	70	25.0	0.047	300	475
		-03	0.132	0.165	Orange	-	60	70	25.0	0.040	400	430
		-04	0.162	0.198	Yellow	-	65	75	25.0	0.044	400	350
		-05	0.198	0.242	Green	-	65	75	25.0	0.055	400	330
		-06	0.242	0.297	Blue	-	65	75	25.0	0.057	400	330
		-07	0.297	0.363	Violet	-	60	70	25.0	0.143	200	310
		-08	0.352	0.431	Grey	-	60	70	25.0	0.132	200	250
		-09	0.422	0.516	White	-	60	70	25.0	0.198	200	230
		-10	0.502	0.620	Brown	Black	65	70	25.0	0.176	126	220
		-11	0.612	0.748	Brown	Brown	65	65	25.0	0.198	126	200
		-12	0.738	0.904	Brown	Red	65	70	25.0	0.220	126	180
		-13	0.900	1.10	Brown	Orange	65	70	25.0	0.242	126	170
		-14	1.08	1.32	Brown	Yellow	50	50	7.9	0.270	126	150
		-15	1.32	1.65	Brown	Green	50	50	7.9	0.400	100	140
		-16	1.62	1.98	Brown	Blue	50	50	7.9	0.520	81	130
		-17	1.98	2.42	Brown	Violet	50	50	7.9	0.560	81	110
		-18	2.43	2.97	Brown	Grey	50	50	7.9	0.650	81	100
		-19	2.97	3.63	Brown	White	50	55	7.9	0.800	64	90.0
		-20	3.52	4.31	Red	Black	55	55	7.9	1.00	64	80.0
		-21	4.22	5.16	Red	Brown	55	55	7.9	1.36	49	85.0
		-22	5.02	6.20	Red	Red	55	55	7.9	1.70	49	70.0
		-23	6.12	7.48	Red	Orange	55	55	7.9	2.00	38	65.0
		-24	7.38	9.04	Red	Yellow	55	55	7.9	2.40	38	55.0
		-25	9.00	11.0	Red	Green	55	55	7.9	3.00	31	50.0
2	556-7105	-26	10.5	11.5	Red	Blue	55	55	2.5	1.75	48	16.0
		-27	11.4	12.6	Red	Violet	55	60	2.5	1.77	48	15.0
		-28	12.3	13.9	Red	Grey	55	60	2.5	1.79	48	15.0
		-29	13.9	15.8	Red	White	55	60	2.5	1.82	48	14.0
		-30	15.2	17.1	Orange	Black	55	60	2.5	1.92	48	13.0
		-31	17.1	18.9	Orange	Brown	55	60	2.5	2.02	48	12.0
		-32	18.9	21.0	Orange	Red	55	60	2.5	2.10	48	12.0
		-33	20.9	23.1	Orange	Orange	55	60	2.5	2.20	48	11.0
		-34	22.8	25.7	Orange	Yellow	55	60	2.5	2.40	48	11.0
		-35	25.7	28.3	Orange	Green	55	60	2.5	2.60	48	11.0
		-36	28.3	31.5	Orange	Blue	55	60	2.5	2.70	48	11.0
		-37	31.4	34.5	Orange	Violet	55	60	2.5	2.80	48	11.0

Temperature Range: **-55°C to +105°C**

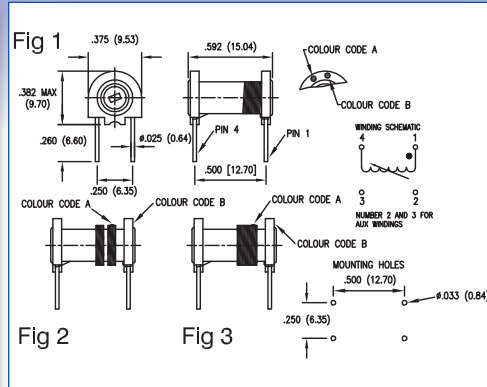
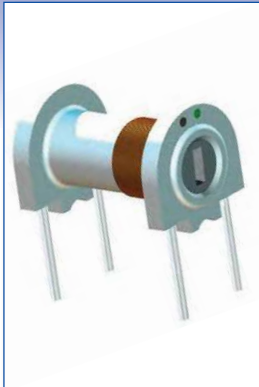
For RoHS Compliant add suffix **-LF** to the part number  
 Windings are varnish impregnated and powdered iron cores are moisture proofed  
 Recommended tuning tool **435-1522-01-00-00**

# VARIABLE COILS

Fig.	Basic Part No.	Inductance ( $\mu\text{H}$ )		Colour Code		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. ( $\Omega$ )	DC Max. (mA)	SRF Min. (MHz)	
		Min.	Max.	A	B							
2	556-7105	-38	34.2	37.8	Orange	Grey	55	60	2.5	3.00	48	10.0
		-39	37.1	40.9	Orange	White	55	60	2.5	3.20	48	10.0
		-40	40.8	45.2	Yellow	Black	55	60	2.5	3.40	48	9.50
		-41	44.6	48.5	Yellow	Brown	55	60	2.5	3.50	48	9.50
		-42	48.5	53.5	Yellow	Red	55	60	2.5	3.65	48	9.00
		-43	53.2	58.8	Yellow	Orange	55	60	2.5	4.00	48	9.00
		-44	58.9	65.1	Yellow	Yellow	55	60	2.5	4.20	48	8.50
		-45	64.6	71.4	Yellow	Green	55	60	2.5	4.30	48	8.50
		-46	70.3	77.7	Yellow	Blue	55	60	2.5	4.50	48	8.00
		-47	77.7	86.5	Yellow	Violet	55	60	2.5	4.80	48	8.00
		-48	86.5	95.5	Yellow	Grey	50	55	2.5	5.00	48	7.50
		-49	95.0	105	Yellow	White	50	55	2.5	5.20	48	7.00
		-50	105	115	Green	Black	50	55	0.79	5.70	48	6.50
		-51	114	126	Green	Brown	50	55	0.79	6.30	48	6.00
		-52	123	140	Green	Red	50	55	0.79	6.60	48	5.50
		-53	140	158	Green	Orange	55	65	0.79	7.10	48	5.50
		-54	152	171	Green	Yellow	55	65	0.79	7.50	48	5.00
		-55	171	189	Green	Green	55	65	0.79	8.00	48	5.00
		-56	189	210	Green	Blue	60	70	0.79	8.40	48	5.00
		-57	209	231	Green	Violet	60	70	0.79	8.70	48	4.50
		-58	228	254	Green	Grey	60	70	0.79	9.10	48	4.50
		-59	254	283	Green	White	40	45	0.79	9.50	64	5.50
		-60	283	315	Blue	Black	40	45	0.79	10.7	64	5.00
		-61	314	345	Blue	Brown	40	45	0.79	11.5	64	4.50
		-62	342	378	Blue	Red	40	45	0.79	13.8	49	4.50
		-63	371	409	Blue	Orange	40	45	0.79	15.0	49	4.00
		-64	408	452	Blue	Yellow	40	45	0.79	16.0	49	4.00
		-65	452	494	Blue	Green	40	45	0.79	16.8	49	3.50
		-66	485	535	Blue	Blue	40	45	0.79	17.5	49	3.50
		-67	532	588	Blue	Violet	40	45	0.79	18.0	49	3.00
		-68	589	651	Blue	Grey	40	45	0.79	23.0	38	3.00
		-69	646	714	Blue	White	40	45	0.79	24.0	38	3.00
		-70	703	777	Violet	Black	40	45	0.79	25.0	38	3.00
		-71	777	865	Violet	Brown	45	50	0.79	33.0	31	2.50
		-72	865	955	Violet	Red	45	50	0.79	34.0	31	2.00
		-73	950	1050	Violet	Orange	45	50	0.79	35.0	31	2.00

# VARIABLE COILS

Dimensions in inches (mm)



**Core Material**  
 -01 to -18 Carbonyl SF (Blue)  
 -19 to -37 Carbonyl E (Red)  
 -38 to -61 Carbonyl C (Yellow)

**How to order code**  
**556 - 7120 - XX - 00 - 00**  
 Basic Part No. \_\_\_\_\_ Inductance Code \_\_\_\_\_

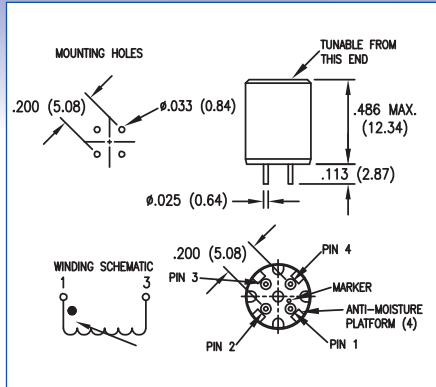
Fig.	Basic Part No.	Inductance (μH)		Colour Code		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max.. (Ω)	SRF Min.. (MHz)	
		Min.	Max.	A	B						
1	556-7120	-01	0.095	0.105	Brown	-	55	65	25.0	0.015	400
		-02	0.114	0.126	Red	-	55	65	25.0	0.023	370
		-03	0.142	0.158	Orange	-	70	70	25.0	0.025	330
		-04	0.171	0.189	Yellow	-	65	70	25.0	0.050	300
		-05	0.209	0.231	Green	-	75	80	25.0	0.024	280
		-06	0.256	0.284	Blue	-	80	80	25.0	0.025	250
		-07	0.314	0.347	Violet	-	80	85	25.0	0.027	235
		-08	0.370	0.420	Grey	-	85	85	25.0	0.030	220
		-09	0.420	0.520	White	-	85	85	25.0	0.035	200
		-10	0.520	0.610	Brown	Black	85	85	25.0	0.040	180
		-11	0.600	0.740	Brown	Brown	75	70	25.0	0.070	170
		-12	0.710	0.900	Brown	Red	80	85	25.0	0.080	150
		-13	0.890	1.12	Brown	Orange	80	80	25.0	0.100	140
		-14	1.08	1.32	Brown	Yellow	65	60	7.9	0.120	130
		-15	1.32	1.62	Brown	Green	70	70	7.9	0.200	120
		-16	1.62	1.97	Brown	Blue	65	70	7.9	0.350	108
		-17	1.97	2.43	Brown	Violet	60	65	7.9	0.500	95.0
		-18	2.42	2.96	Brown	Grey	60	65	7.9	0.600	88.0
		-19	2.96	3.64	Brown	White	65	65	7.9	0.900	80.0
		-20	3.50	4.27	Red	Black	70	65	7.9	1.00	75.0
		-21	4.24	5.20	Red	Brown	65	65	7.9	1.20	68.0
		-22	5.00	6.30	Red	Red	70	70	7.9	1.40	62.0
		-23	6.10	7.50	Red	Orange	70	70	7.9	1.60	57.0
		-24	7.30	8.90	Red	Yellow	70	70	7.9	2.00	52.0
		-25	8.50	11.5	Red	Green	70	70	7.9	2.20	48.0
		-26	10.8	13.2	Red	Blue	50	55	2.5	2.70	44.0
		-27	13.2	16.5	Red	Violet	40	50	2.5	4.20	40.0
2	556-7120	-28	16.2	19.5	Red	Grey	60	70	2.5	2.20	15.0
		-29	19.5	24.3	Red	White	65	75	2.5	2.40	13.5
		-30	24.2	29.5	Orange	Black	75	80	2.5	2.60	12.0
		-31	29.5	36.5	Orange	Brown	65	75	2.5	2.80	11.5
		-32	35.0	43.0	Orange	Red	65	75	2.5	3.00	10.5
		-33	42.0	51.5	Orange	Orange	65	75	2.5	3.20	9.50
		-34	50.0	62.0	Orange	Yellow	65	75	2.5	3.50	9.00
		-35	61.0	75.0	Orange	Green	60	65	2.5	4.00	8.20
		-36	74.0	90.0	Orange	Blue	65	70	2.5	4.50	7.70
		-37	90.0	110	Orange	Violet	60	65	2.5	5.00	7.00
		-38	108	132	Orange	Grey	65	80	0.79	5.50	6.50
		-39	130	165	Orange	White	70	80	0.79	6.00	6.00
		-40	160	200	Yellow	Black	70	85	0.79	7.00	5.50
		-41	195	245	Yellow	Brown	70	85	0.79	8.00	5.00
		-42	240	300	Yellow	Red	75	85	0.79	10.0	4.60
		-43	295	365	Yellow	Orange	70	85	0.79	15.0	4.20
		-44	350	430	Yellow	Yellow	75	85	0.79	15.0	4.00
		-45	420	520	Yellow	Green	65	70	0.79	22.0	3.70
		-46	500	620	Yellow	Blue	65	70	0.79	24.0	3.50
		-47	600	750	Yellow	Violet	65	70	0.79	26.0	3.20
		3	556-7120	-48	740	900	Yellow	Grey	60	65	0.79
-49	900			1100	Yellow	White	65	70	0.79	35.0	1.50
-50	1050			1350	Green	Black	32	42	0.25	42.0	1.30
-51	1300			1650	Green	Brown	32	42	0.25	50.0	1.20
-52	1600			2000	Green	Red	32	42	0.25	67.0	1.10
-53	1950			2450	Green	Orange	32	42	0.25	78.0	1.00
-54	2400			3000	Green	Yellow	32	42	0.25	90.0	0.950
-55	2950			3650	Green	Green	32	42	0.25	105	0.900
-56	3500			4300	Green	Blue	32	42	0.25	125	0.800
-57	4200			5150	Green	Violet	34	36	0.25	140	0.750
-58	5000			6200	Green	Grey	35	40	0.25	170	0.700
-59	6100			7500	Green	White	35	36	0.25	190	0.650
-60	7400			9000	Blue	Black	32	32	0.25	220	0.580
-61	9000			11000	Blue	Brown	32	36	0.25	250	0.500

Temperature Range: -55°C to +105°C

For RoHS Compliant add suffix -LF to the part number  
 Windings are varnish impregnated and powdered iron  
 cores are moisture proofed  
 Recommended tuning tool 435-1522-01-00-00

# VARIABLE COILS

Dimensions in inches (mm)



Core and Cup Core Material  
-01 to -37 High Q ferrite

How to order code

**558 - 3387 - XX - 00 - 00**

Basic Part No.

Inductance Code

Basic Part No.	Inductance ( $\mu$ H)		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. ( $\Omega$ )	DC Max. (mA)	SRF Min. (MHz)
	Min.	Max.						
-01	1.35	1.65	80	85	7.9	0.100	157	104
-02	1.65	1.98	80	80	7.9	0.110	157	92.0
-03	1.98	2.42	80	85	7.9	0.120	157	84.0
-04	2.43	2.97	80	85	7.9	0.130	157	81.0
-05	2.97	3.63	80	80	7.9	0.140	157	55.0
-06	3.51	4.29	85	90	7.9	0.160	157	46.0
-07	4.25	5.10	85	80	7.9	0.180	157	36.0
-08	5.10	6.14	85	85	7.9	0.200	157	33.0
-09	6.14	7.48	100	100	7.9	0.400	64	37.0
-10	7.40	9.00	85	85	7.9	0.500	64	28.0
-11	9.00	11.0	80	80	7.9	0.520	64	20.0
-12	11.0	13.0	75	80	2.5	0.550	64	15.0
-13	13.5	16.5	85	85	2.5	0.650	64	12.0
-14	16.5	19.8	65	80	2.5	0.700	64	10.0
-15	19.8	24.0	70	90	2.5	0.750	64	9.6
-16	28.0	38.0	65	80	2.5	1.00	64	8.80
-17	40.0	54.0	65	85	2.5	1.30	64	7.20
-18	58.0	78.0	60	75	2.5	1.40	64	6.40
-19	85.0	115	45	60	2.5	1.90	64	4.80
-20	127	173	55	75	0.79	2.80	64	4.10
-21	176	263	50	70	0.79	3.20	64	3.70
-22	263	395	60	85	0.79	4.00	64	3.00
-23	377	565	45	65	0.79	6.00	48	2.80
-24	542	820	45	65	0.79	7.50	48	2.30
-25	800	1200	45	65	0.79	13.0	32	1.90
-26	1200	1800	35	65	0.25	15.0	25	0.84
-27	1760	2630	40	65	0.25	20.0	25	0.83
-28	2630	3950	35	65	0.25	25.0	25	0.810
-29	3760	5650	35	60	0.25	44.0	16	0.730
-30	5450	8200	35	55	0.25	55.0	16	0.630
-31	8000	12000	35	50	0.25	90.0	10.2	0.490
-32	12000	18000	18	30	0.079	130	10.2	0.360
-33	17600	26300	15	30	0.079	160	10.2	0.340
-34	26300	39500	15	25	0.079	240	7.8	0.320
-35	37600	56500	15	25	0.079	420	5.8	0.230
-36	54500	82000	15	25	0.079	500	4.8	0.170
-37	80000	120000	15	25	0.079	940	4	0.180

558-3387

Temperature Range:

-55°C to +105°C

For RoHS Compliant add suffix -LF to the part number

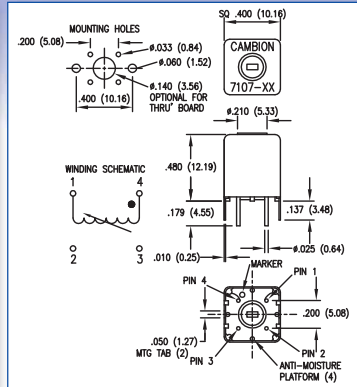
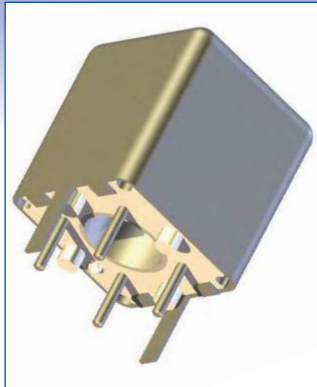
Windings are varnish impregnated and ferrite components are moisture proofed

Recommended tuning tool 435-2033-01-00-00



# VARIABLE COILS

Dimensions in inches (mm)



## Core Material

- 01 to -13 Carbonyl SF (Blue)
- 14 to -25 Carbonyl TH (Purple)
- 26 to -37 Carbonyl E (Red)
- 38 to -49 Carbonyl C (Yellow)

## How to order code

**558 - 7107 - XX - 00 - 00**

Basic Part No.

Inductance Code

Basic Part No.	Inductance (µH)		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
	Min.	Max.						
-01	0.090	0.110	65	65	25.0	0.031	2200	250
-02	0.108	0.136	65	65	25.0	0.034	2100	250
-03	0.135	0.165	70	70	25.0	0.037	2000	250
-04	0.162	0.198	70	70	25.0	0.049	1750	250
-05	0.198	0.245	70	70	25.0	0.055	1600	250
-06	0.245	0.297	70	70	25.0	0.061	1500	250
-07	0.297	0.363	70	70	25.0	0.067	1450	230
-08	0.351	0.429	70	70	25.0	0.073	1400	220
-09	0.423	0.517	70	70	25.0	0.080	1350	210
-10	0.504	0.616	70	70	25.0	0.093	1300	200
-11	0.612	0.748	70	70	25.0	0.093	1250	173
-12	0.738	0.902	70	65	25.0	0.100	1200	150
-13	0.900	1.10	70	65	25.0	0.110	1100	130
-14	1.08	1.36	55	50	7.9	0.130	1000	120
-15	1.35	1.65	50	45	7.9	0.140	1000	110
-16	1.62	1.98	50	40	7.9	0.200	900	100
-17	1.98	2.45	50	40	7.9	0.260	800	88
-18	2.43	2.97	50	40	7.9	0.380	700	83
-19	2.97	3.63	50	45	7.9	0.510	600	78
-20	3.51	4.29	50	45	7.9	0.700	500	71
-21	4.23	5.17	50	50	7.9	0.880	400	64
-22	5.04	6.16	50	50	7.9	1.30	360	58
-23	6.12	7.48	55	55	7.9	1.70	280	52
-24	7.38	9.02	55	55	7.9	1.90	270	46
-25	9.00	11.0	55	55	7.9	2.00	260	40
-26	10.8	13.6	55	60	2.5	2.10	255	11
-27	13.5	16.5	60	70	2.5	2.20	250	10
-28	16.2	19.8	60	70	2.5	2.30	240	9.5
-29	19.8	24.5	65	70	2.5	2.50	230	9.0
-30	24.3	29.7	65	70	2.5	2.70	220	8.5
-31	29.7	36.3	65	70	2.5	3.00	210	8.0
-32	35.1	42.9	60	65	2.5	3.50	200	7.5
-33	42.3	51.7	55	60	2.5	3.60	190	6.4
-34	50.4	61.6	50	55	2.5	4.00	180	5.7
-35	61.2	74.8	50	55	2.5	4.30	170	4.9
-36	73.8	90.2	45	50	2.5	6.40	160	4.6
-37	90.0	110	45	45	2.5	8.50	150	4.3
-38	108	136	45	50	0.79	9.30	145	3.8
-39	135	165	50	60	0.79	10.0	140	3.5
-40	162	198	50	60	0.79	11.0	130	3.3
-41	198	245	50	60	0.79	12.0	120	3.1
-42	243	297	50	55	0.79	22.0	90	2.9
-43	297	363	45	50	0.79	23.0	85	2.7
-44	351	429	45	50	0.79	26.0	80	2.3
-45	423	517	40	45	0.79	28.0	75	1.9
-46	504	616	35	45	0.79	33.0	65	1.7
-47	612	748	35	40	0.79	39.0	60	1.5
-48	738	902	30	35	0.79	49.0	55	1.3
-49	900	1100	30	35	0.79	60.0	55	1.2

Temperature Range: -55°C to +105°C

For RoHS Compliant add suffix -LF to the part number  
 Windings are varnish impregnated and powdered iron cores are moisture proofed  
 Recommended tuning tool 435-1522-01-00-00