

# SERIES

**9405R & 9406R**  
**9405 & 9406**



## Tunable Variable RF Coils

**Leads** AWG #24 Tinned Copperweld  
**Tuning Torque** 0.1 to 3.5 oz. in.  
**Pin #1** is identified by white dot on 9406 only.  
**Current Rating at 90°C Ambient** 35°C Rise  
**Operating Temperature Range**  
 -55°C to +125°C

**Max. Power Dissipation at 90°C** - 0.3 W  
**Weight Max.** (Grams) 4.0  
**Units** are electro-magnetically shielded  
**Core and Shield Material** Ferrite

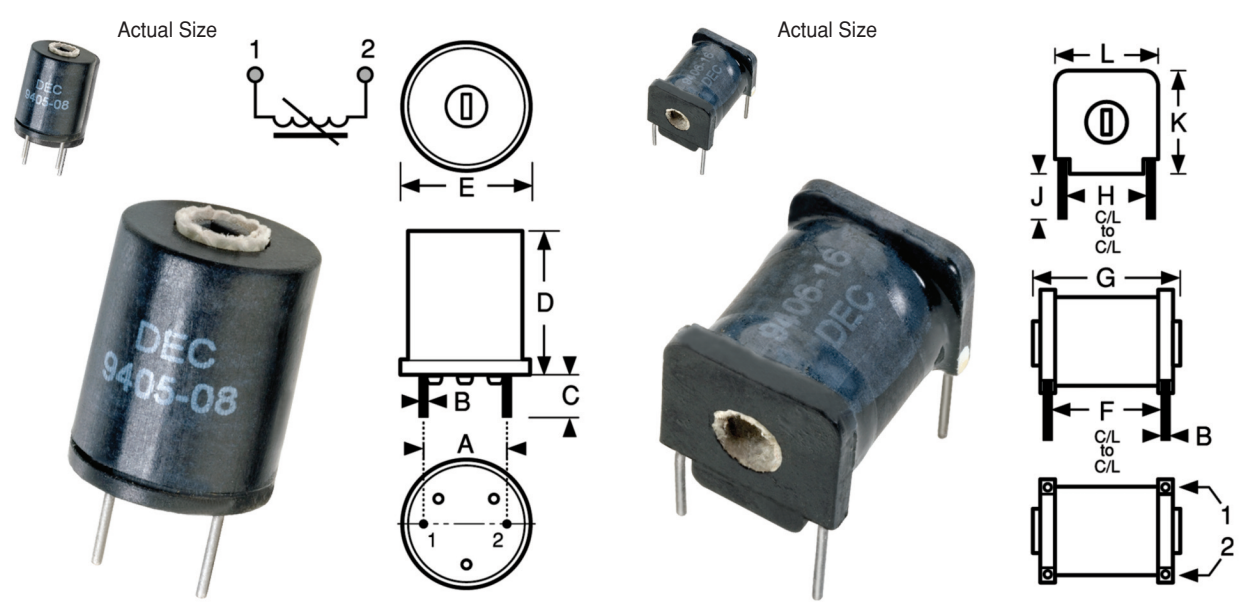
**Ordering Information**  
 Vertical Coil = Dash No. prefixed by 9405; Horizontal Coil = Dash No. prefixed by 9406. Additionally - an electrostatic shield for 9405 is available on a custom basis; order as 9415-XX

**9405 Marking** DEC; part number  
**9406 Marking** Part number; DEC  
 Example: 9405R-10  
 DEC  
 9405R-10

**Packaging** Bulk only  
**Made in the U.S.A.**

DASH NUMBER	NOMINAL INDUCTANCE (µH)	INDUCTANCE MINIMUM (µH)	INDUCTANCE MAXIMUM (µH)	TEST FREQUENCY (MHz)	Q MINIMUM @ L. MIN.	SRF MINIMUM @ L. MAX.	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
-1	0.10	0.080	0.120	25.0	45	43	250.0	0.030
-2	0.15	0.120	0.180	25.0	53	50	198.0	0.035
-4	0.22	0.154	0.286	25.0	55	52	195.0	0.056
-6	0.33	0.231	0.429	25.0	51	49	142.0	0.060
-8	0.47	0.329	0.611	25.0	53	51	110.0	0.064
-10	0.68	0.476	0.884	25.0	51	48	130.0	0.073
-12	1.00	0.700	1.30	25/7.9	51	67	95.0	0.600
-14	1.50	1.05	1.95	7.9	55	82	76.0	0.620
-16	2.20	1.54	2.86	7.9	65	103	57.0	0.720
-18	3.30	2.31	4.29	7.9	70	91	39.0	1.05
-20	4.70	3.29	6.11	7.9	74	87	37.0	1.15
-22	6.80	4.76	8.84	7.9	72	88	27.0	1.30
-24	10.0	7.00	13.0	7.9/2.5	72	87	18.0	1.50
-26	15.0	10.5	19.5	2.5	66	93	16.0	2.35
-28	22.0	15.4	28.6	2.5	74	102	12.0	2.80
-30	33.0	23.1	42.9	2.5	83	110	11.0	3.00
-32	47.0	32.9	61.1	2.5	76	96	8.0	3.70
-34	68.0	47.6	88.4	2.5	70	73	7.0	4.35
-36	100.0	70.0	130.0	2.5/0.79	65	67	6.5	5.50
-38	150.0	105.0	195.0	0.79	53	81	4.5	9.20
-40	220.0	154.0	286.0	0.79	61	83	3.5	9.70
-42	330.0	231.0	429.0	0.79	42	57	3.2	14.0
-44	470.0	329.0	611.0	0.79	48	67	3.1	15.0
-46	680.0	476.0	884.0	0.79	45	57	2.4	20.0
-48	1000.0	700.0	1300.0	0.79/0.25	48	52	1.9	24.5
-50	1500.0	1050.0	1950.0	0.25	38	53	1.3	30.0
-52	2200.0	1540.0	2860.0	0.25	42	65	1.2	38.0
-54	3300.0	2310.0	4290.0	0.25	42	57	0.85	45.0
-56	4700.0	3290.0	6110.0	0.25	38	51	0.68	70.0
-58	6800.0	4760.0	8840.0	0.25	38	49	0.60	100.0
-60	10000.0	7000.0	13000.0	0.25/0.079	40	40	0.50	115.0

\*Complete part # must include series # PLUS the dash #  
 For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)



Dimension	A	B	C	D	E	F	G	H	J	K, L
In.	0.200 ± 0.010	0.020 ± 0.0015	0.187 ± 0.020	0.500 max.	0.380 max.	0.400 ± 0.020	0.500 max.	0.300 ± 0.010	0.187 ± 0.020	0.375 max.
mm	5.08 ± 0.25	0.508 ± 0.038	4.75 ± 0.51	12.7 max.	9.65 max.	10.16 ± 0.51	12.7 max.	7.62 ± 0.25	4.75 ± 0.51	9.53 max.