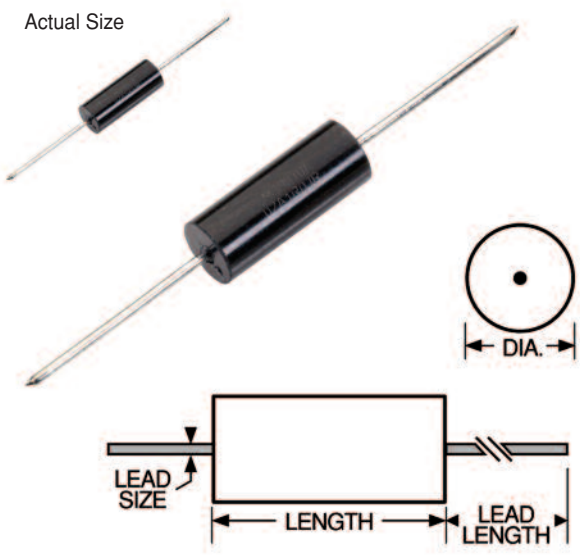


**SERIES 1641R**  
**1641** 

**Molded Shielded RF Coils**

Actual Size



**Military Specifications**

MS75087 (LT10K); MS75088 (LT10K);  
 MS75089 (15µH to 1000µH only) (LT10K)

**Physical Parameters**

	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

**Current Rating at 90°C Ambient** 15°C Rise

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

**Maximum Power Dissipation at 90°C** 0.11 W

**Weight Max.** (Grams) 1.0

**Incremental Current** Current level which causes a Max. of 5% change in inductance.

**Coupling** 3% Max.

**Marking** DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1641-103H

<i>Front:</i>	<i>Reverse:</i>
DELEVAN	10uH±3%
10uH±3%	0907A

**Packaging** Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.

**Made in the U.S.A.**

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
--------------	------------	----------------------	----------------------	-------------------	------------------------------	-----------------------------	--------------------------

MS75087- SERIES 1641 PHENOLIC CORE/IRON SLEEVE (LT10K)								
-101K	1	0.10	50	25.0	250.0	0.025	1830	1830
-121K	2	0.12	51	25.0	250.0	0.034	1570	1570
-151K	3	0.15	51	25.0	250.0	0.037	1500	1500
-181K	4	0.18	50	25.0	250.0	0.047	1330	1330
-221K	5	0.22	49	25.0	250.0	0.067	1120	1120
-271K	6	0.27	47	25.0	250.0	0.11	870	870
-331K	7	0.33	46	25.0	250.0	0.13	800	800
-391K	8	0.39	44	25.0	250.0	0.18	680	680
-471K	9	0.47	44	25.0	235.0	0.25	580	580
-561K	10	0.56	43	25.0	210.0	0.33	505	505
-681K	11	0.68	42	25.0	190.0	0.45	430	430
-821K	12	0.82	40	25.0	180.0	0.59	375	375

MS75088- SERIES 1641 IRON CORE & SLEEVE (LT10K)								
-102K	1	1.0	44	25.0	140.0	0.07	1090	1090
-122K	2	1.2	44	7.9	130.0	0.10	900	900
-152K	3	1.5	44	7.9	115.0	0.12	835	835
-182K	4	1.8	44	7.9	105.0	0.14	775	775
-222K	5	2.2	44	7.9	100.0	0.19	665	665
-272K	6	2.7	44	7.9	92.0	0.28	545	545
-332K	7	3.3	44	7.9	85.0	0.35	490	490
-392K	8	3.9	44	7.9	75.0	0.40	455	455
-472K	9	4.7	44	7.9	70.0	0.55	390	390
-562K	10	5.6	44	7.9	65.0	0.72	340	340
-682K	11	6.8	50	7.9	55.0	1.02	285	285
-822K	12	8.2	50	7.9	50.0	1.32	250	250
-103K	13	10.0	50	7.9	46.0	1.62	228	228
-123K	14	12.0	55	2.5	44.0	2.00	205	205

MS75089- SERIES 1641 FERRITE CORE & SLEEVE (LT10K)								
-153K	1	15.0	45	2.5	49.0	0.80	325	250
-183K	2	18.0	45	2.5	45.0	0.89	305	235
-223K	3	22.0	45	2.5	41.0	0.96	295	220
-273K	4	27.0	45	2.5	38.0	1.19	265	200
-333K	5	33.0	45	2.5	34.0	1.37	248	190
-393K	6	39.0	50	2.5	29.0	1.93	209	180
	7	47.0	50	2.5	27.0	2.11	200	175
	8	56.0	50	2.5	25.0	2.23	194	160
	9	68.0	50	2.5	21.0	2.70	176	150
	10	82.0	50	2.5	10.5	2.44	186	140
	11	100.0	50	2.5	10.0	3.12	164	120
	12	120.0	55	0.79	9.7	3.60	153	95
	13	150.0	55	0.79	8.5	4.10	143	90
	14	180.0	55	0.79	8.0	4.40	138	85
	15	220.0	55	0.79	7.5	5.00	130	80
	16	270.0	55	0.79	7.0	5.80	120	70
	17	330.0	55	0.79	6.5	6.40	115	65
	18	390.0	60	0.79	6.2	7.40	107	60
	19	470.0	60	0.79	5.7	9.50	94	58
	20	560.0	60	0.79	4.7	10.5	90	55
	21	680.0	60	0.79	4.5	11.8	84	50
	22	820.0	60	0.79	4.2	13.0	80	45
	23	1000.0	60	0.79	3.8	17.5	70	40

See 4307 Series for values above 1000µH.  
 Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3%  
 \*Complete part # must include series # PLUS the dash #  
 For surface finish information, refer to www.delevanfinishes.com