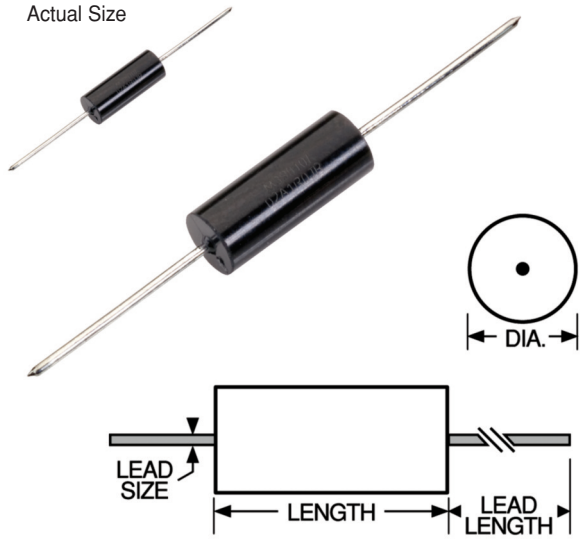


SERIES 1641R
1641 

Molded Shielded RF Coils



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

Front:	Reverse:
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.

INDUCTANCE (μH) ±10%
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 DC RESISTANCE MAXIMUM (OHMS)
 CURRENT RATING MAXIMUM (mA)
 INCREMENTAL CURRENT (mA)

DASH NUMBER*	MIL DASH #	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	
DASH NUMBER*	MIL DASH #	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	
DASH NUMBER*	MIL DASH #	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	
-473K	7	47.0	50	2.5	27.0	2.11	200	175	
-563K	8	56.0	50	2.5	25.0	2.23	194	160	
-683K	9	68.0	50	2.5	21.0	2.70	176	150	
-823K	10	82.0	50	2.5	10.5	2.44	186	140	
-104K	11	100.0	50	2.5	10.0	3.12	164	120	
-124K	12	120.0	55	0.79	9.7	3.60	153	95	
-154K	13	150.0	55	0.79	8.5	4.10	143	90	
-184K	14	180.0	55	0.79	8.0	4.40	138	85	
-224K	15	220.0	55	0.79	7.5	5.00	130	80	
-274K	16	270.0	55	0.79	7.0	5.80	120	70	
-334K	17	330.0	55	0.79	6.5	6.40	115	65	
-394K	18	390.0	60	0.79	6.2	7.40	107	60	
-474K	19	470.0	60	0.79	5.7	9.50	94	58	
-564K	20	560.0	60	0.79	4.7	10.5	90	55	
-684K	21	680.0	60	0.79	4.5	11.8	84	50	
-824K	22	820.0	60	0.79	4.2	13.0	80	45	
-105K	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