



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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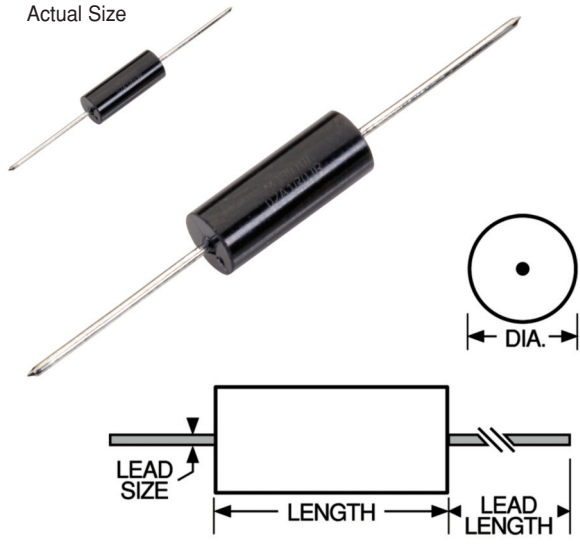
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SERIES 1641R
1641 

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.

DASH NUMBER*	MIL DASH #	INDUCTANCE (μH) ±10%	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
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MS75087- SERIES 1641 PHENOLIC CORE/IRON SLEEVE (LT10K)							
-101K	1	0.10	50	25.0	250.0	0.025	1830
-121K	2	0.12	51	25.0	250.0	0.034	1570
-151K	3	0.15	51	25.0	250.0	0.037	1500
-181K	4	0.18	50	25.0	250.0	0.047	1330
-221K	5	0.22	49	25.0	250.0	0.067	1120
-271K	6	0.27	47	25.0	250.0	0.11	870
-331K	7	0.33	46	25.0	250.0	0.13	800
-391K	8	0.39	44	25.0	250.0	0.18	680
-471K	9	0.47	44	25.0	235.0	0.25	580
-561K	10	0.56	43	25.0	210.0	0.33	505
-681K	11	0.68	42	25.0	190.0	0.45	430
-821K	12	0.82	40	25.0	180.0	0.59	375

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

MS75089- SERIES 1641 FERRITE CORE & SLEEVE (LT10K)							
-153K	1	15.0	45	2.5	49.0	0.80	325
-183K	2	18.0	45	2.5	45.0	0.89	305
-223K	3	22.0	45	2.5	41.0	0.96	295
-273K	4	27.0	45	2.5	38.0	1.19	265
-333K	5	33.0	45	2.5	34.0	1.37	248
-393K	6	39.0	50	2.5	29.0	1.93	209
-473K	7	47.0	50	2.5	27.0	2.11	200
-563K	8	56.0	50	2.5	25.0	2.23	194
-683K	9	68.0	50	2.5	21.0	2.70	176
-823K	10	82.0	50	2.5	10.5	2.44	186
-104K	11	100.0	50	2.5	10.0	3.12	164
-124K	12	120.0	55	0.79	9.7	3.60	153
-154K	13	150.0	55	0.79	8.5	4.10	143
-184K	14	180.0	55	0.79	8.0	4.40	138
-224K	15	220.0	55	0.79	7.5	5.00	130
-274K	16	270.0	55	0.79	7.0	5.80	120
-334K	17	330.0	55	0.79	6.5	6.40	115
-394K	18	390.0	60	0.79	6.2	7.40	107
-474K	19	470.0	60	0.79	5.7	9.50	94
-564K	20	560.0	60	0.79	4.7	10.5	90
-684K	21	680.0	60	0.79	4.5	11.8	84
-824K	22	820.0	60	0.79	4.2	13.0	80
-105K	23	1000.0	60	0.79	3.8	17.5	70

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