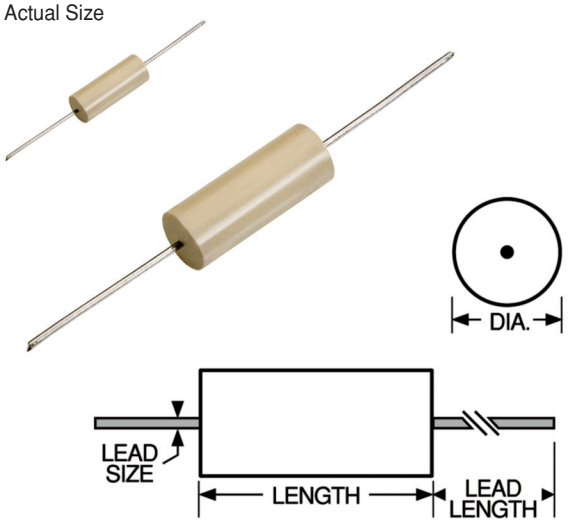
SERIES 1537R 1537

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size



Military Specifications MS14046 (LT10K); MS18130 (LT4K); MS90538 (LT10K);
g No MS # Issued

Physical Parameters

	Inches	Millimeters
Length	0.375 ± 0.010	9.53 ± 0.25
Diameter	0.156 ± 0.010	3.96 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to +125°C;
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
LT4K 0.312 W
LT10K 0.134 W

Weight Max. (Grams) 0.9

• **For in-between values,** see Series 511 (page 44)

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1537-00J

Front:	*Reverse:*
DELEVAN	.15uH±5%
.15uH±5%	0841A

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)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS18130– SERIES 1537 PHENOLIC CORE (LT4K)								
-00M	1	0.15	± 20%	50	25.0	525.0	0.03	2740
-02M	2	0.22	± 20%	50	25.0	450.0	0.055	2020
-04M	3	0.33	± 20%	45	25.0	360.0	0.09	1580
-06M	4	0.47	± 20%	45	25.0	310.0	0.12	1370
-07K	5	0.56	± 10%	50	25.0	280.0	0.135	1290
-08K	6	0.68	± 10%	50	25.0	250.0	0.15	1220
-10K	7	0.82	± 10%	50	25.0	220.0	0.22	1020
-12K	8	1.00	± 10%	50	25.0	200.0	0.29	880
-14K	9	1.20	± 10%	33	7.9	180.0	0.42	730
-16K	10	1.50	± 10%	33	7.9	160.0	0.50	670
-18K	11	1.80	± 10%	33	7.9	150.0	0.65	590
-20K	12	2.20	± 10%	33	7.9	135.0	0.95	485
-22K	13	2.70	± 10%	33	7.9	120.0	1.20	430
-24K	14	3.30	± 10%	33	7.9	110.0	2.00	335
-26K	15	3.90	± 10%	33	7.9	100.0	2.30	310
-28K	16	4.70	± 10%	33	7.9	90.0	2.60	294
MS14046– SERIES 1537 IRON CORE (LT10K)								
-30K	1	5.60	± 10%	45	7.9	60.0	0.32	565
-32K	2	6.80	± 10%	50	7.9	55.0	0.50	450
-34K	3	8.20	± 10%	50	7.9	50.0	0.60	410
-36K	4	10.0	± 10%	55	7.9	45.0	0.90	335
-38K	5	12.0	± 10%	65	2.5	42.0	1.10	305
-40K	6	15.0	± 10%	65	2.5	40.0	1.40	271
-42K	7	18.0	± 10%	75	2.5	34.0	2.25	213
-44K	8	22.0	± 10%	75	2.5	30.0	2.50	202
-46J	◐	24.0	± 5%	60	2.5	26.0	2.50	202
-47K	9	27.0	± 10%	60	2.5	25.0	2.60	198
-48J	◐	27.0	± 5%	60	2.5	25.0	2.60	198
-50J	◐	30.0	± 5%	65	2.5	21.0	2.80	191
-51K	10	33.0	± 10%	65	2.5	19.0	3.00	185
-52J	◐	33.0	± 5%	65	2.5	19.0	3.00	185
MS90538– SERIES 1537 IRON CORE (LT10K)								
-54J	1	36.0	± 5%	60	2.5	15.5	2.50	202
-56J	2	39.0	± 5%	60	2.5	14.5	2.60	198
-58J	3	43.0	± 5%	60	2.5	13.7	2.70	194
-60J	4	47.0	± 5%	55	2.5	13.0	2.75	193
-62J	5	51.0	± 5%	55	2.5	12.7	2.85	189
-64J	6	56.0	± 5%	55	2.5	12.0	3.00	184
-66J	7	62.0	± 5%	55	2.5	11.5	3.15	180
-68J	8	68.0	± 5%	55	2.5	11.0	3.30	176
-70J	9	75.0	± 5%	55	2.5	10.5	3.70	166
-72J	10	82.0	± 5%	50	2.5	10.3	3.90	162
-74J	11	91.0	± 5%	50	2.5	10.0	4.30	154
-76J	12	100.0	± 5%	50	2.5	9.5	4.50	151
-78J	13	110.0	± 5%	60	0.79	8.9	4.90	144
-80J	14	120.0	± 5%	65	0.79	8.7	5.20	140
-82J	15	130.0	± 5%	65	0.79	8.5	5.45	137
-84J	16	150.0	± 5%	65	0.79	8.0	6.05	130
-86J	17	160.0	± 5%	65	0.79	7.5	6.40	126
-88J	18	180.0	± 5%	65	0.79	7.0	6.75	123
-90J	19	200.0	± 5%	65	0.79	6.5	7.10	120
-92J	20	220.0	± 5%	65	0.79	6.2	7.45	117
-94J	21	240.0	± 5%	65	0.79	5.9	7.80	115

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

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