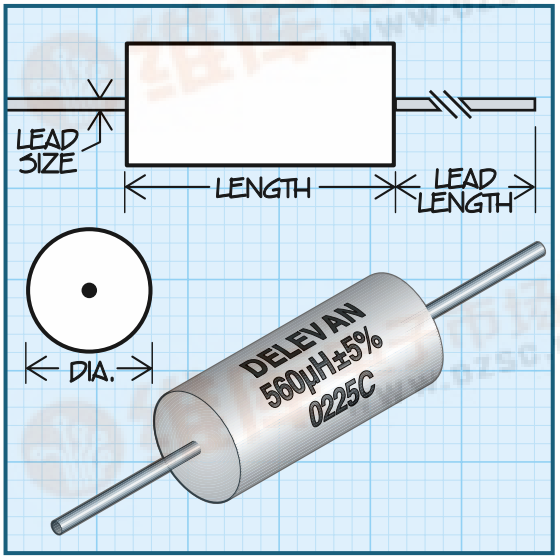
Series 2500R 2500

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils



Military Specifications MS90539 (LT10K); MS90540 (LT10K); MS90541 (LT10K);
◐ No MS # Issued

Physical Parameters

Mold Size	A	B	C
Length			
Inches ± .010	0.440	0.560	0.740
mm ± .25	11.18	14.22	18.80
Diameter			
Inches ± .010	0.190	0.215	0.240
mm ± .25	4.83	5.46	6.10
Lead Type & Size			
AWG #	#22	#21	#20
TCW ± .002 Inches	0.025	0.028	0.032
[TCW ± .051 mm]	0.635	0.711	0.813
Lead Length			
Inches ± .12	1.44	1.44	1.44
mm ± 3.05	36.58	36.58	36.58
Maximum Power Dissipation			
at 90°C W	0.166	0.182	0.213
Weight Max.			
(Grams)	0.95	1.5	2.5

Current Rating at 90°C Ambient 15°C Rise

Operating Temperature Range –55°C to +105°C

Core Material Iron (LT10K)

Packaging Tape & reel: Mold sizes "A" and "C": 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max. Mold size "B": 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ± 5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	MOLD SIZE
MS90539 • SERIES 2500 IRON CORE (LT10K)								
-00J	1	270	65	0.790	5.60	8.2	126	A
-02J	2	300	65	0.790	5.3	8.7	122	A
-04J	3	330	65	0.790	5.0	9.1	120	A
-06J	4	360	65	0.790	4.7	9.6	115	A
-08J	5	390	65	0.790	4.5	10.0	114	A
-10J	6	430	65	0.790	4.3	10.6	111	A
-12J	7	470	65	0.790	4.0	11.0	108	A
-14J	◐	500	65	0.790	3.7	11.3	106	A
-15J	8	510	65	0.790	3.8	11.6	105	A
-16J	9	560	65	0.790	3.6	12.3	104	A
-18J	10	620	60	0.790	3.5	13.0	101	A
-20J	11	680	60	0.790	3.4	13.7	97	A
-22J	12	750	60	0.790	3.3	14.4	95	A
-24J	13	820	60	0.790	3.1	15.1	92	A
-26J	14	910	60	0.790	2.9	15.8	91	A
-28J	15	1000	60	0.790	2.8	16.5	88	A
MS90540 • SERIES 2500 IRON CORE (LT10K)								
-30J	1	1100	60	0.250	2.8	21.0	81	B
-32J	2	1200	60	0.250	2.7	22.0	79	B
-34J	3	1300	60	0.250	2.6	23.0	78	B
-36J	4	1500	65	0.250	2.4	25.0	76	B
-38J	5	1600	65	0.250	2.3	26.0	74	B
-40J	6	1800	65	0.250	2.2	28.0	71	B
-42J	7	2000	65	0.250	2.1	29.0	69	B
-44J	8	2200	70	0.250	2.0	30.0	68	B
-46J	9	2400	70	0.250	1.9	31.0	67	B
-48J	10	2700	70	0.250	1.8	33.0	65	B
-50J	11	3000	70	0.250	1.7	35.0	63	B
-52J	12	3300	70	0.250	1.6	38.0	61	B
-54J	13	3600	70	0.250	1.5	40.0	59	B
MS90541 • SERIES 2500 IRON CORE (LT10K)								
-56J	1	3900	80	0.250	1.45	44.0	62	C
-58J	2	4300	80	0.250	1.40	46.0	60	C
-60J	3	4700	80	0.250	1.35	48.0	59	C
-62J	4	5000	80	0.250	1.30	50.0	58	C
-63J	◐	5100	80	0.250	1.30	50.0	58	C
-64J	5	5600	80	0.250	1.25	53.0	56	C
-66J	6	6200	80	0.250	1.20	56.0	55	C
-68J	7	6800	80	0.250	1.15	59.0	54	C
-70J	8	7500	80	0.250	1.10	62.0	52	C
-72J	9	8200	80	0.250	1.05	65.0	51	C
-74J	10	9100	80	0.250	1.0	68.0	49	C
-76J	11	10000	80	0.250	0.95	72.0	48	C

Parts listed above are QPL/MIL qualified

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

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

For further surface finish information, refer to TECHNICAL section of this catalog.

API Delevan®
American Precision Industries
www.delevan.com E-mail: apisales@delevan.com
270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814