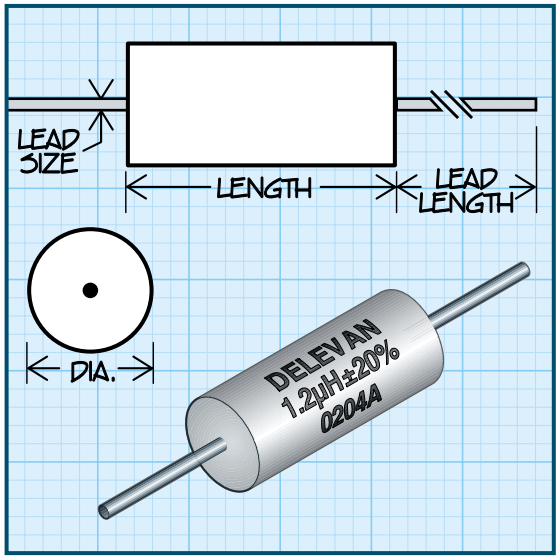
Series 1944R & 1945R
1944 & 1945

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils



Test Methods MIL-PRF-15305 test methods, only.
MS21389-01 to MS21389-17, reference - 1944 Series
MS21390-01 to MS21390-39, reference - 1945 Series

Physical Parameters

	Inches	Millimeters
Length	0.420 to 0.447	10.67 to 11.35
Diameter	0.168 to 0.193	4.27 to 4.90
Lead Size		
AWG #22 TCW	0.023 to 0.027	0.584 to 0.686
Lead Length	1.30 Min.	33.02 Min.

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Maximum Power Dissipation at 90°C
Series 1944: 0.385 W
Series 1945: 0.330 W

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

DASH NUMBER*	MIL DASH # (Ref.)	INDUCTANCE (µH)	TOLERANCE	INDUCTANCE TEST FREQUENCY (MHz)	Q-TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS21389 (reference) – SERIES 1944 PHENOLIC CORE									
-01M	1	0.10	± 20%	25	50	75	400	0.020	4000
-02M	2	0.12	± 20%	25	50	75	400	0.025	3500
-03M	3	0.15	± 20%	25	50	75	400	0.030	3000
-04M	4	0.18	± 20%	25	50	65	400	0.030	3000
-05M	5	0.22	± 20%	25	50	65	400	0.030	3000
-06M	6	0.27	± 20%	25	45	65	376	0.040	2700
-07M	7	0.33	± 20%	25	40	65	352	0.045	2500
-08M	8	0.39	± 20%	25	40	60	320	0.070	2000
-09M	9	0.47	± 20%	25	25	55	288	0.070	2000
-10M	10	0.56	± 20%	25	25	50	264	0.100	1700
-11M	11	0.68	± 20%	25	25	50	240	0.120	1500
-12M	12	0.82	± 20%	25	25	45	220	0.160	1300
-13M	13	1.00	± 20%	25	20	45	200	0.230	1100
-14M	14	1.20	± 20%	7.9	20	45	176	0.280	1000
-15K	15	1.50	± 10%	7.9	15	45	160	0.380	850
-16K	16	1.80	± 10%	7.9	15	45	144	0.540	720
-17K	17	2.20	± 10%	7.9	15	45	132	0.750	610
MS21390 (reference) – SERIES 1945 IRON CORE									
-01K	1	2.70	± 10%	7.9	10	55	88	0.11	1600
-02K	2	3.30	± 10%	7.9	10	55	80	0.14	1400
-03K	3	3.90	± 10%	7.9	10	60	76	0.19	1200
-04K	4	4.70	± 10%	7.9	7.9	70	72	0.28	1000
-05K	5	5.60	± 10%	7.9	7.9	65	64	0.34	900
-06K	6	6.80	± 10%	7.9	7.9	65	56	0.43	800
-07K	7	8.20	± 10%	7.9	7.9	60	52	0.56	720
-08K	8	10.0	± 10%	7.9	5.0	60	48	0.67	650
-09K	9	12.0	± 10%	2.5	5.0	65	42.4	0.81	590
-10K	10	15.0	± 10%	2.5	2.5	80	37.6	1.15	500
-11K	11	18.0	± 10%	2.5	2.5	75	34.4	1.40	460
-12K	12	22.0	± 10%	2.5	2.5	75	32.0	1.60	430
-13J	13	27.0	± 5%	2.5	2.5	75	28.8	2.30	360
-14J	14	33.0	± 5%	2.5	2.5	85	25.6	3.30	300
-15J	15	39.0	± 5%	2.5	2.5	80	20.8	3.32	290
-16J	16	47.0	± 5%	2.5	2.5	80	17.6	3.70	275
-17J	17	56.0	± 5%	2.5	2.5	75	15.2	3.99	265
-18J	18	68.0	± 5%	2.5	2.5	75	12.8	4.48	250
-19J	19	82.0	± 5%	2.5	2.5	75	10.4	5.07	235
-20J	20	100	± 5%	2.5	1.5	75	8.00	5.78	220
-21J	21	120	± 5%	0.79	0.79	65	5.76	5.00	170
-22J	22	150	± 5%	0.79	0.79	65	5.36	5.80	164
-23J	23	180	± 5%	0.79	0.79	65	5.04	6.60	158
-24J	24	220	± 5%	0.79	0.79	65	4.72	7.40	155
-25J	25	270	± 5%	0.79	0.79	65	4.48	8.00	150
-26J	26	300	± 5%	0.79	0.79	65	4.24	8.60	145
-27J	27	330	± 5%	0.79	0.79	65	4.00	8.90	142
-28J	28	360	± 5%	0.79	0.79	65	3.76	9.60	137
-29J	29	390	± 5%	0.79	0.79	65	3.60	9.90	135
-30J	30	430	± 5%	0.79	0.79	65	3.44	10.4	131
-31J	31	470	± 5%	0.79	0.79	65	3.20	10.9	128
-32J	32	510	± 5%	0.79	0.79	65	3.04	11.6	124
-33J	33	560	± 5%	0.79	0.79	60	2.88	11.8	123
-34J	34	620	± 5%	0.79	0.79	60	2.80	12.5	120
-35J	35	680	± 5%	0.79	0.79	60	2.72	13.5	115
-36J	36	750	± 5%	0.79	0.79	60	2.64	14.0	113
-37J	37	820	± 5%	0.79	0.79	60	2.48	15.0	110
-38J	38	910	± 5%	0.79	0.79	60	2.40	15.5	107
-39J	39	1000	± 5%	0.79	0.79	60	2.24	16.5	104

Optional Tolerances: K = 10% J = 5% 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.

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