

ER10M Molded Shielded RF Inductors - Military Approved

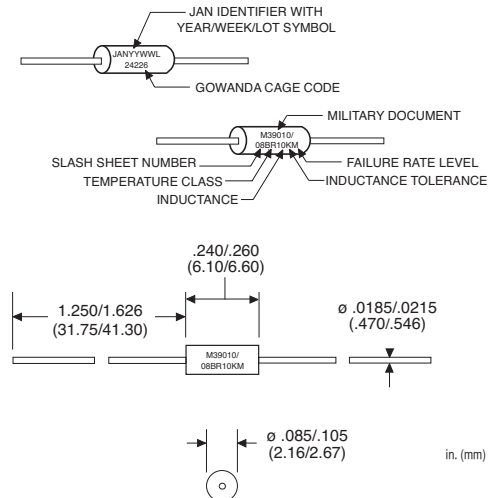
MIL-PRF-39010/08/09/10

PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ. MHz	SRF MHz MIN.	DCR OHMS MAX.	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
MIL-PRF-39010/08 PHENOLIC CORE								
ER10M100*P	M39010/08BR10*P	0.10	40	25	680	.08	1350	5, 10
ER10M110JP	M39010/08BR11JP	0.11	40	25	640	.09	1270	5
ER10M120*P	M39010/08BR12*P	0.12	40	25	640	.09	1270	5, 10
ER10M130JP	M39010/08BR13JP	0.13	38	25	600	.10	1200	5
ER10M150*P	M39010/08BR15*P	0.15	38	25	600	.10	1200	5, 10
ER10M160JP	M39010/08BR16JP	0.16	35	25	550	.12	1105	5
ER10M180*P	M39010/08BR18*P	0.18	35	25	550	.12	1105	5, 10
ER10M200JP	M39010/08BR20JP	0.20	33	25	510	.14	1025	5
ER10M220*P	M39010/08BR22*P	0.22	33	25	510	.14	1025	5, 10
ER10M240JP	M39010/08BR24JP	0.24	33	25	430	.16	960	5
ER10M270*P	M39010/08BR27*P	0.27	33	25	430	.16	960	5, 10
ER10M300JP	M39010/08BR30JP	0.30	30	25	410	.22	815	5
ER10M330*P	M39010/08BR33*P	0.33	30	25	410	.22	815	5, 10
ER10M360JP	M39010/08BR36JP	0.36	30	25	365	.30	700	5
ER10M390*P	M39010/08BR39*P	0.39	30	25	365	.30	700	5, 10
ER10M430JP	M39010/08BR43JP	0.43	30	25	330	.35	650	5
ER10M470*P	M39010/08BR47*P	0.47	30	25	330	.35	650	5, 10
ER10M510JP	M39010/08BR51JP	0.51	30	25	300	.50	545	5
ER10M560*P	M39010/08BR56*P	0.56	30	25	300	.50	545	5, 10
ER10M620JP	M39010/08BR62JP	0.62	28	25	275	.60	495	5
ER10M680*P	M39010/08BR68*P	0.68	28	25	275	.60	495	5, 10
ER10M750JP	M39010/08BR75JP	0.75	28	25	250	.85	415	5
ER10M820*P	M39010/08BR82*P	0.82	28	25	250	.85	415	5, 10
ER10M910JP	M39010/08BR91JP	0.91	25	25	230	1.0	385	5
ER10M101*P	M39010/08B1R0*P	1.0	25	25	230	1.0	385	5, 10
MIL-PRF-39010/09 IRON CORE								
ER10M111JP	M39010/09A1R1JP	1.1	25	7.9	150	.18	590	5
ER10M121*P	M39010/09A1R2*P	1.2	25	7.9	150	.18	590	5, 10
ER10M131JP	M39010/09A1R3JP	1.3	25	7.9	140	.22	535	5
ER10M151*P	M39010/09A1R5*P	1.5	28	7.9	140	.22	535	5, 10
ER10M161JP	M39010/09A1R6JP	1.6	28	7.9	125	.30	455	5
ER10M181*P	M39010/09A1R8*P	1.8	30	7.9	125	.30	455	5, 10
ER10M201JP	M39010/09A2R0JP	2.0	30	7.9	115	.40	395	5
ER10M221*P	M39010/09A2R2*P	2.2	30	7.9	115	.40	395	5, 10
ER10M241JP	M39010/09A2R4JP	2.4	30	7.9	100	.55	335	5
ER10M271*P	M39010/09A2R7*P	2.7	37	7.9	100	.55	335	5, 10
ER10M301JP	M39010/09A3R0JP	3.0	37	7.9	90	.85	270	5
ER10M331*P	M39010/09A3R3*P	3.3	45	7.9	90	.85	270	5, 10
ER10M361JP	M39010/09A3R6JP	3.6	45	7.9	80	1.0	250	5
ER10M391*P	M39010/09A3R9*P	3.9	45	7.9	80	1.0	250	5, 10
ER10M431JP	M39010/09A4R3JP	4.3	45	7.9	75	1.2	230	5
ER10M471*P	M39010/09A4R7*P	4.7	45	7.9	75	1.2	230	5, 10
ER10M511JP	M39010/09A5R1JP	5.1	45	7.9	65	1.8	185	5
ER10M561*P	M39010/09A5R6*P	5.6	50	7.9	65	1.8	185	5, 10
ER10M621JP	M39010/09A6R2JP	6.2	50	7.9	60	2.0	175	5
ER10M681*P	M39010/09A6R8*P	6.8	50	7.9	60	2.0	175	5, 10
ER10M751JP	M39010/09A7R5JP	7.5	50	7.9	55	2.7	155	5
ER10M821*P	M39010/09A8R2*P	8.2	55	7.9	55	2.7	155	5, 10
ER10M911JP	M39010/09A9R1JP	9.1	55	7.9	50	3.7	130	5
ER10M102*P	M39010/09A100*P	10	55	7.9	50	3.7	130	5, 10
ER10M112JP	M39010/09A110JP	11	45	2.5	40	2.7	130	5
ER10M122*P	M39010/09A120*P	12	45	2.5	40	2.7	155	5, 10
ER10M132JP	M39010/09A130JP	13	40	2.5	35	2.8	150	5
ER10M152*P	M39010/09A150*P	15	40	2.5	35	2.8	150	5, 10
ER10M162JP	M39010/09A160JP	16	40	2.5	30	3.1	145	5
ER10M182*P	M39010/09A180*P	18	50	2.5	30	3.1	145	5, 10
ER10M202JP	M39010/09A200JP	20	50	2.5	25	3.3	140	5
ER10M222*P	M39010/09A220*P	22	50	2.5	25	3.3	140	5, 10
ER10M242JP	M39010/09A240JP	24	50	2.5	20	3.5	135	5
ER10M272*P	M39010/09A270*P	27	50	2.5	20	3.5	135	5, 10

* Substitute "J" for 5% tolerance or "K" for 10% tolerance



2 SIDED LASER MARKING



NOTES:

- Operating Temperature Range:
-55°C to +125°C for /08 (Phenolic)
-55°C to +105°C for /09 & /10 (Iron & Ferrite)
- Class B (125°C) for /08 Phenolic
Class A (105°C) for /09 Iron & /10 Ferrite
- Current Rating is @ a 90°C Ambient and
35°C Rise for /08; 15°C Rise for /09 and /10
- Weight Max. 0.01oz (0.283 gm)
- DWV 1000 Vrms @ Sea Level
300 Vrms @ 70,000 Feet for /08 & /09
(phenolic & Iron)
200 Vrms @ 70,000 Feet for /10 (Ferrite)
- Body color is Black

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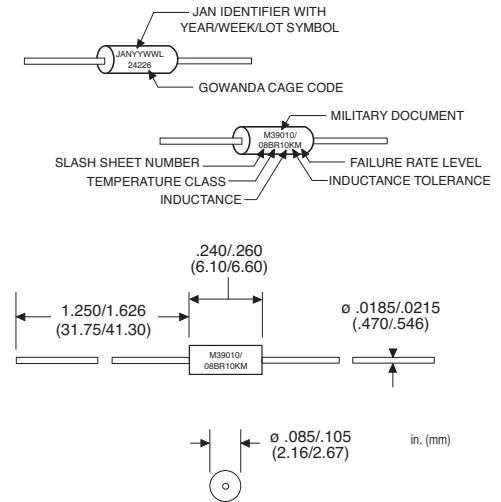
MIL-PRF-39010/08/09/10

PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ. MHz	SRF MHz MIN.	DCR OHMS MAX.	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
MIL-PRF-39010/10 FERRITE CORE								
ER10M302JP	M39010/10A300JP	30	45	2.5	24	3.4	130	5
ER10M332*P	M39010/10A330*P	33	45	2.5	24	3.4	130	5, 10
ER10M362JP	M39010/10A360JP	36	45	2.5	22	3.6	125	5
ER10M392*P	M39010/10A390*P	39	45	2.5	22	3.6	125	5, 10
ER10M432JP	M39010/10A430JP	43	45	2.5	20	4.5	110	5
ER10M472*P	M39010/10A470*P	47	45	2.5	20	4.5	110	5, 10
ER10M512JP	M39010/10A510JP	51	45	2.5	18	5.7	100	5
ER10M562*P	M39010/10A560*P	56	45	2.5	18	5.7	100	5, 10
ER10M622JP	M39010/10A620JP	62	45	2.5	15	6.7	92	5
ER10M682*P	M39010/10A680*P	68	50	2.5	15	6.7	92	5, 10
ER10M752JP	M39010/10A750JP	75	50	2.5	14	7.3	88	5
ER10M822*P	M39010/10A820*P	82	50	2.5	14	7.3	88	5, 10
ER10M912JP	M39010/10A910JP	91	50	2.5	13	8.0	84	5
ER10M103*P	M39010/10A101*P	100	50	2.5	13	8.0	84	5, 10
ER10M113JP	M39010/10A111JP	110	30	.79	12	13	66	5
ER10M123*P	M39010/10A121*P	120	30	.79	12	13	66	5, 10
ER10M133JP	M39010/10A131JP	130	30	.79	11	15	61	5
ER10M153*P	M39010/10A151*P	150	30	.79	11	15	61	5, 10
ER10M163JP	M39010/10A161JP	160	30	.79	10	17	57	5
ER10M183*P	M39010/10A181*P	180	30	.79	10	17	57	5, 10
ER10M203JP	M39010/10A201JP	200	30	.79	9.0	21	52	5
ER10M223*P	M39010/10A221*P	220	30	.79	9.0	21	52	5, 10
ER10M243JP	M39010/10A241JP	240	30	.79	8.0	25	47	5
ER10M273*P	M39010/10A271*P	270	30	.79	8.0	25	47	5, 10
ER10M303JP	M39010/10A301JP	300	30	.79	7.0	28	45	5
ER10M333*P	M39010/10A331*P	330	30	.79	7.0	28	45	5, 10
ER10M363JP	M39010/10A361JP	360	30	.79	6.5	35	40	5
ER10M393*P	M39010/10A391*P	390	30	.79	6.5	35	40	5, 10
ER10M433JP	M39010/10A431JP	430	30	.79	6.0	42	36	5
ER10M473*P	M39010/10A471*P	470	30	.79	6.0	42	36	5, 10
ER10M513JP	M39010/10A511JP	510	30	.79	5.0	46	35	5
ER10M563*P	M39010/10A561*P	560	30	.79	5.0	46	35	5, 10
ER10M623JP	M39010/10A621JP	620	30	.79	4.0	60	30	5
ER10M683*P	M39010/10A681*P	680	30	.79	4.0	60	30	5, 10
ER10M753JP	M39010/10A751JP	750	30	.79	3.8	65	29	5
ER10M823*P	M39010/10A821*P	820	30	.79	3.8	65	29	5, 10
ER10M913JP	M39010/10A911JP	910	30	.79	3.4	72	28	5
ER10M104*P	M39010/10A102*P	1000	30	.79	3.4	72	28	5, 10

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- Body color is Black