



ER15M Established Reliability

Wirewound, Molded, Level R Qualified, MIL-PRF-39010

M39010/06 Phenolic Core /07 Powdered Iron Core

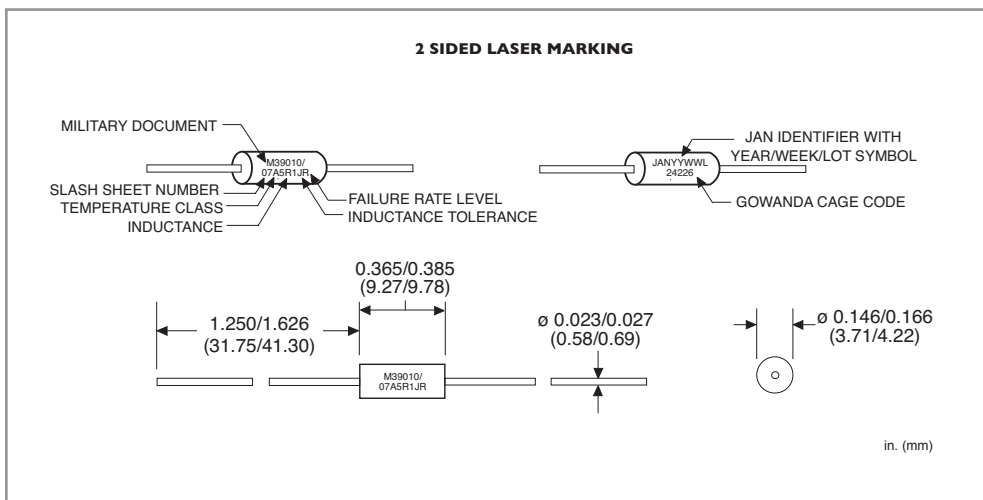
PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ MHZ	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
MIL-PRF-39010/06 PHENOLIC CORE								
ER15M150*1^A	M39010/06BR15*1^A	0.15	50	25	525	0.030	2450	5, 10, 20
ER15M160J^A	M39010/06BR16J^A	0.16	50	25	460	0.055	1810	5
ER15M180*2^A	M39010/06BR18*2^A	0.18	50	25	460	0.055	1810	5, 10
ER15M200J^A	M39010/06BR20J^A	0.20	50	25	460	0.055	1810	5
ER15M220*1^A	M39010/06BR22*1^A	0.22	50	25	460	0.055	1810	5, 10, 20
ER15M240J^A	M39010/06BR24J^A	0.24	45	25	360	0.090	1400	5
ER15M270*2^A	M39010/06BR27*2^A	0.27	45	25	360	0.090	1400	5, 10
ER15M300J^A	M39010/06BR30J^A	0.30	45	25	360	0.090	1400	5
ER15M330*1^A	M39010/06BR33*1^A	0.33	45	25	360	0.090	1400	5, 10, 20
ER15M360J^A	M39010/06BR36J^A	0.36	45	25	310	0.120	1225	5
ER15M390*2^A	M39010/06BR39*2^A	0.39	45	25	310	0.120	1225	5, 10
ER15M430J^A	M39010/06BR43J^A	0.43	45	25	310	0.120	1225	5
ER15M470*1^A	M39010/06BR47*1^A	0.47	45	25	310	0.120	1225	5, 10, 20
ER15M510J^A	M39010/06BR51J^A	0.51	45	25	280	0.135	1150	5
ER15M560*2^A	M39010/06BR56*2^A	0.56	50	25	280	0.135	1150	5, 10
ER15M620J^A	M39010/06BR62J^A	0.62	50	25	250	0.150	1100	5
ER15M680*2^A	M39010/06BR68*2^A	0.68	50	25	250	0.150	1100	5, 10
ER15M750J^A	M39010/06BR75J^A	0.75	50	25	220	0.220	900	5
ER15M820*2^A	M39010/06BR82*2^A	0.82	50	25	220	0.220	900	5, 10
ER15M910J^A	M39010/06BR91J^A	0.91	50	25	200	0.290	785	5
ER15M101*2^A	M39010/06B1R0*2^A	1.00	50	25	200	0.290	785	5, 10
ER15M111J^A	M39010/06B1R1J^A	1.10	33	7.9	180	0.420	650	5
ER15M121*2^A	M39010/06B1R2*2^A	1.20	33	7.9	180	0.420	650	5, 10
ER15M131J^A	M39010/06B1R3J^A	1.30	33	7.9	160	0.500	600	5
ER15M151*2^A	M39010/06B1R5*2^A	1.50	33	7.9	160	0.500	600	5, 10
ER15M161J^A	M39010/06B1R6J^A	1.60	33	7.9	150	0.650	525	5
ER15M181*2^A	M39010/06B1R8*2^A	1.80	33	7.9	150	0.650	525	5, 10

*1 Substitute "J" for 5% tolerance, "K" for 10% tolerance or "L" for 20% tolerance

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

^ Substitute R, P, or M for failure rate level

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NOTES:

- Operating Temperature Range:
 - 55°C to +105°C for /07 (Powdered Iron)
 - 55°C to +125°C for /06 (Phenolic)
- Current Rating is @ a 90°C Ambient
 - 15°C Rise for /07 (Powdered Iron)
 - 35°C Rise for /06 (Phenolic)
- Temperature Class:
 - Class A (105°C) for /07 (Powdered Iron)
 - Class B (125°C) for /06 (Phenolic)
- DWV 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- Weight maximum 0.85 grams (0.03 ounces)
- Body color is black
- This series is qualified to Level R but it is also available for Level M and Level P applications. See ^ note below table.

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2500
Pitch between parts:	0.200 in.
Inside tape spacing:	2.062 in.
Class:	1

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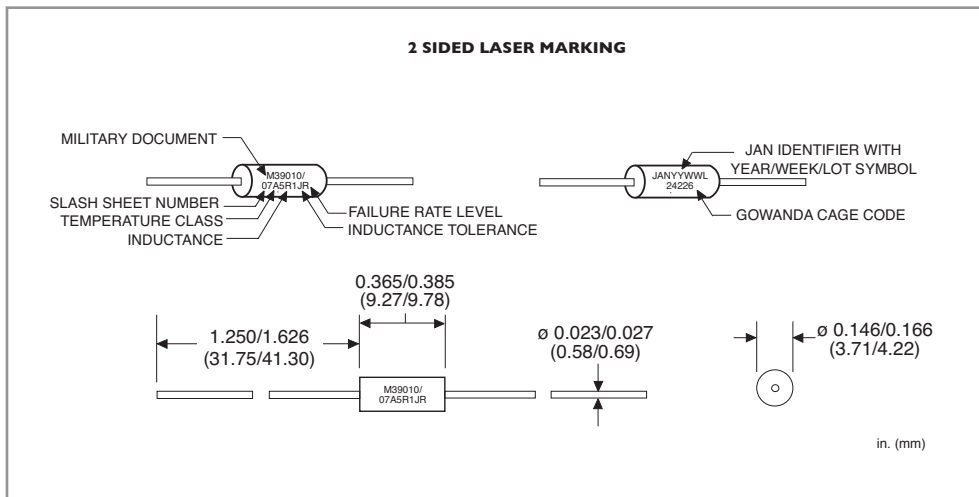
PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ MHZ	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
ER15M201J [^]	M39010/06B2R0J [^]	2.00	33	7.9	135	0.950	435	5
ER15M221 ^{*2^}	M39010/06B2R2 ^{*2^}	2.20	33	7.9	135	0.950	435	5, 10
ER15M241J [^]	M39010/06B2R4J [^]	2.40	33	7.9	120	1.20	385	5
ER15M271 ^{*2^}	M39010/06B2R7 ^{*2^}	2.70	33	7.9	120	1.20	385	5, 10
ER15M301J [^]	M39010/06B3R0J [^]	3.00	33	7.9	110	2.00	300	5
ER15M331 ^{*2^}	M39010/06B3R3 ^{*2^}	3.30	33	7.9	110	2.00	300	5, 10
ER15M361J [^]	M39010/06B3R6J [^]	3.60	33	7.9	100	2.30	280	5
ER15M391 ^{*2^}	M39010/06B3R9 ^{*2^}	3.90	33	7.9	100	2.30	280	5, 10
ER15M431J [^]	M39010/06B4R3J [^]	4.30	33	7.9	90.0	2.60	260	5
ER15M471 ^{*2^}	M39010/06B4R7 ^{*2^}	4.70	33	7.9	90.0	2.60	260	5, 10
MIL-PRF-39010/07 POWDERED IRON CORE								
ER15M511J [^]	M39010/07A5R1J [^]	5.1	45	7.9	60	0.32	495	5
ER15M561 ^{*2^}	M39010/07A5R6 ^{*2^}	5.6	45	7.9	60	0.32	495	5, 10
ER15M621J [^]	M39010/07A6R2J [^]	6.2	45	7.9	55	0.50	395	5
ER15M681 ^{*2^}	M39010/07A6R8 ^{*2^}	6.8	50	7.9	55	0.50	395	5, 10
ER15M751J [^]	M39010/07A7R5J [^]	7.5	50	7.9	50	0.60	360	5
ER15M821 ^{*2^}	M39010/07A8R2 ^{*2^}	8.2	50	7.9	50	0.60	360	5, 10
ER15M911J [^]	M39010/07A9R1J [^]	9.1	50	7.9	45	0.90	290	5
ER15M102 ^{*2^}	M39010/07A100 ^{*2^}	10.0	55	7.9	45	0.90	290	5, 10
ER15M112J [^]	M39010/07A110J [^]	11.0	55	2.5	42	1.10	265	5
ER15M122 ^{*2^}	M39010/07A120 ^{*2^}	12.0	65	2.5	42	1.10	265	5, 10
ER15M132J [^]	M39010/07A130J [^]	13.0	65	2.5	40	1.40	240	5
ER15M152 ^{*2^}	M39010/07A150 ^{*2^}	15.0	65	2.5	40	1.40	240	5, 10
ER15M162J [^]	M39010/07A160J [^]	16.0	65	2.5	34	2.25	185	5
ER15M182 ^{*2^}	M39010/07A180 ^{*2^}	18.0	75	2.5	34	2.25	185	5, 10
ER15M202J [^]	M39010/07A200J [^]	20.0	75	2.5	30	2.50	175	5
ER15M222 ^{*2^}	M39010/07A220 ^{*2^}	22.0	75	2.5	30	2.50	175	5, 10
ER15M242J [^]	M39010/07A240J [^]	24.0	60	2.5	25	2.60	170	5

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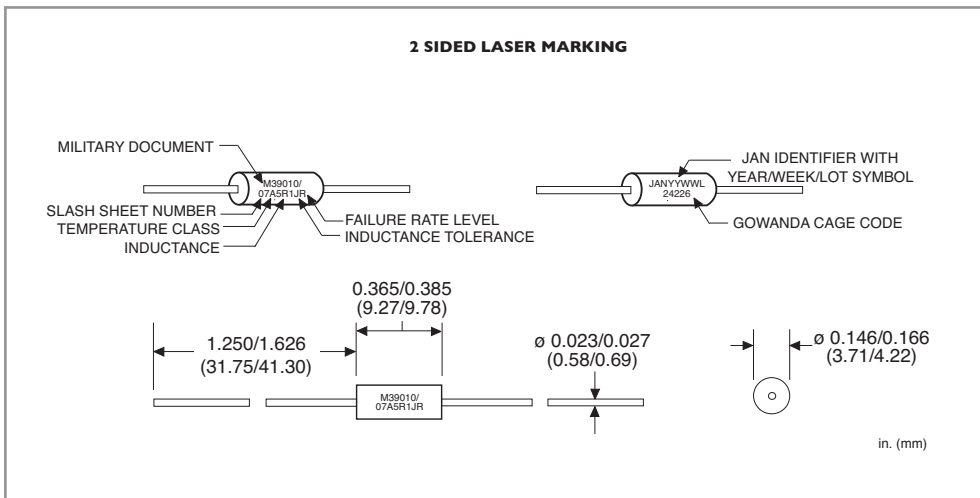


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ER15M272*2^A	M39010/07A270*2^A	27.0	60	2.5	25	2.60	170	5, 10
ER15M302J^A	M39010/07A300J^A	30.0	60	2.5	19	3.00	165	5
ER15M332*2^A	M39010/07A330*2^A	33.0	65	2.5	19	3.00	165	5, 10
ER15M362J^A	M39010/07A360J^A	36.0	60	2.5	15.5	2.50	180	5
ER15M392J^A	M39010/07A390J^A	39.0	60	2.5	14.5	2.60	176	5
ER15M432J^A	M39010/07A430J^A	43.0	60	2.5	13.7	2.70	172	5
ER15M472J^A	M39010/07A470J^A	47.0	55	2.5	13.0	2.75	170	5
ER15M512J^A	M39010/07A510J^A	51.0	55	2.5	12.7	2.85	167	5
ER15M562J^A	M39010/07A560J^A	56.0	55	2.5	12.0	3.00	164	5
ER15M622J^A	M39010/07A620J^A	62.0	55	2.5	11.5	3.15	160	5
ER15M682J^A	M39010/07A680J^A	68.0	55	2.5	11.0	3.30	156	5
ER15M752J^A	M39010/07A750J^A	75.0	55	2.5	10.5	3.70	147	5
ER15M822J^A	M39010/07A820J^A	82.0	50	2.5	10.3	3.90	143	5
ER15M912J^A	M39010/07A910J^A	91.0	50	2.5	10.0	4.30	136	5
ER15M103J^A	M39010/07A101J^A	100	50	2.5	9.5	4.50	133	5
ER15M113J^A	M39010/07A111J^A	110	60	0.79	8.9	4.90	128	5
ER15M123J^A	M39010/07A121J^A	120	65	0.79	8.7	5.20	124	5
ER15M133J^A	M39010/07A131J^A	130	65	0.79	8.5	5.45	121	5
ER15M153J^A	M39010/07A151J^A	150	65	0.79	8.0	6.05	114	5
ER15M163J^A	M39010/07A161J^A	160	65	0.79	7.5	6.40	111	5
ER15M183J^A	M39010/07A181J^A	180	65	0.79	7.0	6.75	108	5
ER15M203J^A	M39010/07A201J^A	200	65	0.79	6.5	7.10	106	5
ER15M223J^A	M39010/07A221J^A	220	65	0.79	6.2	7.45	103	5
ER15M243J^A	M39010/07A241J^A	240	65	0.79	5.9	7.80	101	5

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