

ER15M **Established Reliability**
Wirewound, Molded, Level R Qualified, MIL-PRF-39010

M39010/06 Phenolic Core /07 Powdered Iron Core

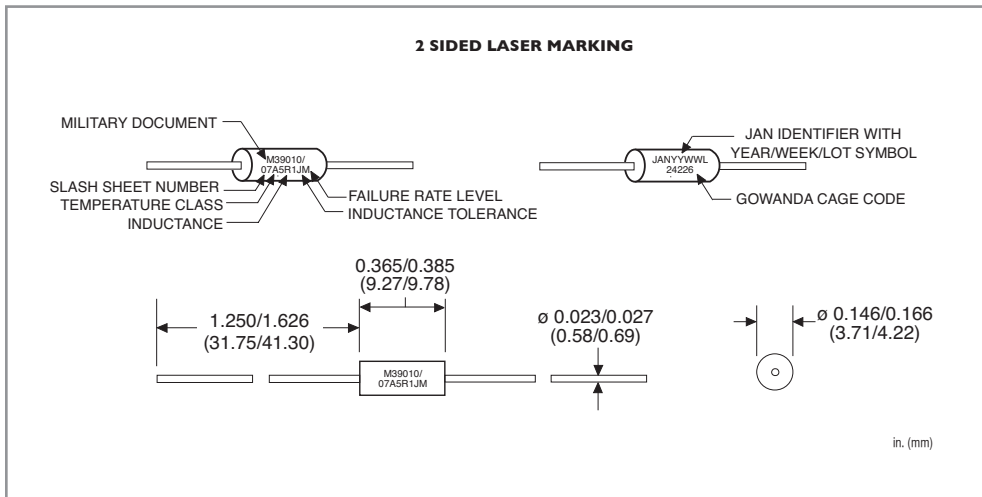


PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ MHZ	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
MIL-PRF-39010/06 PHENOLIC CORE								
ER15M150* [^]	M39010/06BR15* [^]	0.15	50	25	525	0.030	2450	5, 10, 20
ER15M160J [^]	M39010/06BR16J [^]	0.16	50	25	460	0.055	1810	5
ER15M180* [^]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

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

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



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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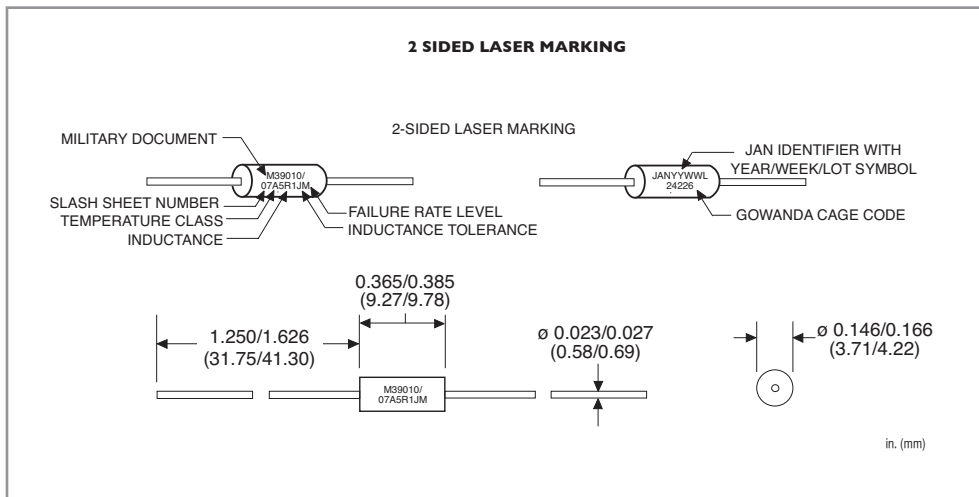


PART NUMBER	MIL PART NUMBER	L μH	Q MIN	TEST FREQ MHZ	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INDUCTANCE TOLERANCE
ER15M201J^	M39010/06B2R0J^	2.00	33	7.9	135	0.950	435	5
ER15M221*^	M39010/06B2R2*^	2.20	33	7.9	135	0.950	435	5, 10
ER15M241J^	M39010/06B2R4J^	2.40	33	7.9	120	1.20	385	5
ER15M271*^	M39010/06B2R7*^	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*^	M39010/06B3R3*^	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*^	M39010/06B3R9*^	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*^	M39010/06B4R7*^	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*^	M39010/07A5R6*^	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*^	M39010/07A6R8*^	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*^	M39010/07A8R2*^	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*^	M39010/07A100*^	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*^	M39010/07A120*^	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*^	M39010/07A150*^	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*^	M39010/07A180*^	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*^	M39010/07A220*^	22.0	75	2.5	30	2.50	175	5, 10
ER15M242J^	M39010/07A240J^	24.0	60	2.5	25	2.60	170	5

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

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NOTES:

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- 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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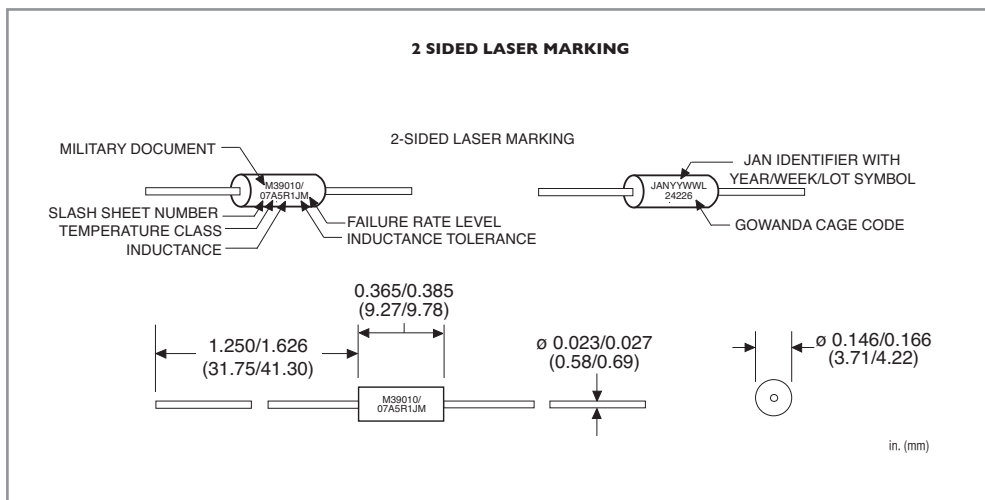
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ER15M272*^	M39010/07A270*^	27.0	60	2.5	25	2.60	170	5, 10
ER15M302J^	M39010/07A300J^	30.0	60	2.5	19	3.00	165	5
ER15M332*^	M39010/07A330*^	33.0	65	2.5	19	3.00	165	5, 10
ER15M362J^	M39010/07A360J^	36.0	60	2.5	15.5	2.50	180	5
ER15M392J^	M39010/07A390J^	39.0	60	2.5	14.5	2.60	176	5
ER15M432J^	M39010/07A430J^	43.0	60	2.5	13.7	2.70	172	5
ER15M472J^	M39010/07A470J^	47.0	55	2.5	13.0	2.75	170	5
ER15M512J^	M39010/07A510J^	51.0	55	2.5	12.7	2.85	167	5
ER15M562J^	M39010/07A560J^	56.0	55	2.5	12.0	3.00	164	5
ER15M622J^	M39010/07A620J^	62.0	55	2.5	11.5	3.15	160	5
ER15M682J^	M39010/07A680J^	68.0	55	2.5	11.0	3.30	156	5
ER15M752J^	M39010/07A750J^	75.0	55	2.5	10.5	3.70	147	5
ER15M822J^	M39010/07A820J^	82.0	50	2.5	10.3	3.90	143	5
ER15M912J^	M39010/07A910J^	91.0	50	2.5	10.0	4.30	136	5
ER15M103J^	M39010/07A101J^	100	50	2.5	9.5	4.50	133	5
ER15M113J^	M39010/07A111J^	110	60	0.79	8.9	4.90	128	5
ER15M123J^	M39010/07A121J^	120	65	0.79	8.7	5.20	124	5
ER15M133J^	M39010/07B131J^	130	65	0.79	8.5	5.45	121	5
ER15M153J^	M39010/07B151J^	150	65	0.79	8.0	6.05	114	5
ER15M163J^	M39010/07B161J^	160	65	0.79	7.5	6.40	111	5
ER15M183J^	M39010/07B181J^	180	65	0.79	7.0	6.75	108	5
ER15M203J^	M39010/07B201J^	200	65	0.79	6.5	7.10	106	5
ER15M223J^	M39010/07B221J^	220	65	0.79	6.2	7.45	103	5
ER15M243J^	M39010/07B241J^	240	65	0.79	5.9	7.80	101	5

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