

ER SERIES

MIL-PRF-39010



Established Reliability Inductors

Physical Parameters and Environmental Characteristics	ER1641			ER1840		ER1537		ER1025		
	MIL-PRF-39010/01	MIL-PRF-39010/02	MIL-PRF-39010/03	MIL-PRF-39010/04	MIL-PRF-39010/05	MIL-PRF-39010/06	MIL-PRF-39010/07	MIL-PRF-39010/08	MIL-PRF-39010/09	MIL-PRF-39010/10
Inductance Range, μH	0.10 to 0.82	0.91 to 12.0	15 to 1000	0.15 to 2.7	3.0 to 27.0	0.15 to 4.7	5.1 to 33	0.10 to 1.00	1.1 to 27.0	30 to 1000
Core Material	Phenolic	Iron	Ferrite	Phenolic	Iron	Phenolic	Iron	Phenolic	Iron	Ferrite
Sleeve	Iron	Iron	Ferrite	—	—	—	—	—	—	—
Length, Inches	0.410 ± 0.020	0.410 ± 0.020	0.410 ± 0.020	0.437 ± 0.01	0.437 ± 0.01	0.375 ± 0.010	0.375 ± 0.010	0.250 ± 0.010	0.250 ± 0.010	0.250 ± 0.010
	Millimeters	10.41 ± 0.51	10.41 ± 0.51	10.41 ± 0.51	11.10 ± 0.25	11.10 ± 0.25	9.53 ± 0.25	9.53 ± 0.25	6.35 ± 0.25	6.35 ± 0.25
Diameter, Inches	0.162 ± 0.010	0.162 ± 0.010	0.162 ± 0.010	0.187 ± 0.010	0.187 ± 0.010	0.156 ± 0.010	0.156 ± 0.010	0.095 ± 0.010	0.095 ± 0.010	0.095 ± 0.010
	Millimeters	4.11 ± 0.25	4.11 ± 0.25	4.11 ± 0.25	4.75 ± 0.25	4.75 ± 0.25	3.96 ± 0.25	3.96 ± 0.25	2.41 ± 0.25	2.41 ± 0.25
Lead Size — AWG #	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#24 TCW	#24 TCW	#24 TCW
	Inches	0.025 ± 0.002	0.025 ± 0.002	0.025 ± 0.002	0.025 ± 0.002	0.025 ± 0.002	0.025 ± 0.002	0.020 ± 0.0015	0.020 ± 0.0015	0.020 ± 0.0015
	Millimeters	0.635 ± 0.051	0.635 ± 0.051	0.635 ± 0.051	0.635 ± 0.051	0.635 ± 0.051	0.635 ± 0.051	0.51 ± 0.04	0.51 ± 0.04	0.51 ± 0.04
Lead Length, Inches	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188	1.438 ± 0.188
	Millimeters	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77	36.58 ± 3.05	36.58 ± 3.05	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77
Weight Max. (Grams)	0.85	1.0	1.0	0.95	0.95	0.9	0.9	0.3	0.3	0.3
Current Rating at 90°C, Max. Rise °C	15	15	15	35	15	35	15	35	15	15
Operating Temp. °C	-55 to +105	-55 to +105	-55 to +105	-55 to +125	-55 to +105	-55 to +125	-55 to +105	-55 to +125	-55 to +105	-55 to +105
Max. Power Dissipation at 90°C, Watts	0.11	0.11	0.11	0.385	0.385	0.312	0.134	0.21	0.09	0.073
Coupling	3% Max.	3% Max.	3% Max.	—	—	—	—	—	—	—
Body Color	Black	Black	Black	Tan	Tan	Tan	Tan	Tan	Tan	Tan

MARKING EXAMPLE & ORDERING INFORMATION

M	39010/08	B	1R0	K	R
Military designer	Document sheet number	Class	Inductance	Inductance Tolerance	Failure rate level

CLASS: Identifies the maximum operating temperature:
 Class A = 105°C Max.
 Class B = 125°C Max.

HOW TO ORDER:
 The Military Part Number consists of the document number and an assigned dash number as shown in the example.

MIL-PRF-39010 Molded RF Coils with Sn10 high-temperature solder for internal connections.

Approved Through Failure Rate Level R

Note The complete Military dash numbers will include two additional letters, indicated in the tables on the following three pages by **. The first additional letter will indicate tolerance: J indicates $\pm 5\%$; K indicates $\pm 10\%$; L indicates $\pm 20\%$.

The second letter will indicate the failure rate (e.g., M, P, R).

Packaging Tape & reel
 ER1025: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.
 ER1537 and ER1641: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.
 ER1840: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

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ER SERIES (continued)

RF Inductors

DELEVAN PART NUMBER
DASH NUMBER
MILITARY NUMBER
INDUCTANCE (μH)
IND. TOLERANCE (%)
TEST FREQUENCY (MHz)
SRF MINIMUM (MHz)
MAXIMUM (OHMS @ 25°C)
DC RESISTANCE (MHz)
CURRENT (mA @ 25°C)
RATED DC CURRENT (mA)

DELEVAN PART NUMBER
DASH NUMBER
MILITARY NUMBER
INDUCTANCE (μH)
IND. TOLERANCE (%)
TEST FREQUENCY (MHz)
SRF MINIMUM (MHz)
MAXIMUM (OHMS @ 25°C)
DC RESISTANCE (MHz)
CURRENT (mA @ 25°C)
RATED DC CURRENT (mA)

MIL-PRF-39010/01									
ER1641-101**	AR10**	0.10	5,10	50	25.0	250	0.025	1,790	
ER1641-111**	AR11**	0.11	5	50	25.0	250	0.034	1,530	
ER1641-121**	AR12**	0.12	5,10	50	25.0	250	0.034	1,530	
ER1641-131**	AR13**	0.13	5	50	25.0	250	0.037	1,470	
ER1641-151**	AR15**	0.15	5,10	50	25.0	250	0.037	1,470	
ER1641-161**	AR16**	0.16	5	50	25.0	250	0.047	1,300	
ER1641-181**	AR18**	0.18	5,10	50	25.0	250	0.047	1,300	
ER1641-201**	AR20**	0.20	5	49	25.0	250	0.067	1,100	
ER1641-221**	AR22**	0.22	5,10	49	25.0	250	0.067	1,100	
ER1641-241**	AR24**	0.24	5	47	25.0	250	0.110	853	
ER1641-271**	AR27**	0.27	5,10	47	25.0	250	0.110	853	
ER1641-301**	AR30**	0.30	5	46	25.0	250	0.130	780	
ER1641-331**	AR33**	0.33	5,10	46	25.0	250	0.130	780	
ER1641-361**	AR36**	0.36	5	44	25.0	250	0.180	670	
ER1641-391**	AR39**	0.39	5,10	44	25.0	250	0.180	670	
ER1641-431**	AR43**	0.43	5	44	25.0	235	0.250	565	
ER1641-471**	AR47**	0.47	5,10	44	25.0	235	0.250	565	
ER1641-511**	AR51**	0.51	5	43	25.0	210	0.330	490	
ER1641-561**	AR56**	0.56	5,10	43	25.0	210	0.330	490	
ER1641-621**	AR62**	0.62	5	42	25.0	190	0.450	420	
ER1641-681**	AR68**	0.68	5,10	42	25.0	190	0.450	420	
ER1641-751**	AR75**	0.75	5	40	25.0	180	0.590	370	
ER1641-821**	AR82**	0.82	5,10	40	25.0	180	0.590	370	

MIL-PRF-39010/02									
ER1641-911**	AR91**	0.91	5	44	25.0	140	0.070	1,070	
ER1641-102**	A1R0**	1.00	5,10	44	25.0	140	0.070	1,070	
ER1641-112**	A1R1**	1.10	5	44	7.9	130	0.100	895	
ER1641-122**	A1R2**	1.20	5,10	44	7.9	130	0.100	895	
ER1641-132**	A1R3**	1.30	5	44	7.9	115	0.120	815	
ER1641-152**	A1R5**	1.50	5,10	44	7.9	115	0.120	815	
ER1641-162**	A1R6**	1.60	5	44	7.9	105	0.140	755	
ER1641-182**	A1R8**	1.80	5,10	44	7.9	105	0.140	755	
ER1641-202**	A2R0**	2.00	5	44	7.9	100	0.190	650	
ER1641-222**	A2R2**	2.20	5,10	44	7.9	100	0.190	650	
ER1641-242**	A2R4**	2.40	5	44	7.9	92	0.280	535	
ER1641-272**	A2R7**	2.70	5,10	44	7.9	92	0.280	535	
ER1641-302**	A3R0**	3.00	5	44	7.9	85	0.350	480	
ER1641-332**	A3R3**	3.30	5,10	44	7.9	85	0.350	480	
ER1641-362**	A3R6**	3.60	5	44	7.9	75	0.400	450	
ER1641-392**	A3R9**	3.90	5,10	44	7.9	75	0.400	450	
ER1641-432**	A4R3**	4.30	5	44	7.9	70	0.550	380	
ER1641-472**	A4R7**	4.70	5,10	44	7.9	70	0.550	380	
ER1641-512**	A5R1**	5.10	5	44	7.9	65	0.720	335	
ER1641-562**	A5R6**	5.60	5,10	44	7.9	65	0.720	335	
ER1641-622**	A6R2**	6.20	5	44	7.9	55	1.020	280	
ER1641-682**	A6R8**	6.80	5,10	50	7.9	55	1.020	280	
ER1641-752**	A7R5**	7.50	5	50	7.9	50	1.320	245	
ER1641-822**	A8R2**	8.20	5,10	50	7.9	50	1.320	245	
ER1641-912**	A9R1**	9.10	5	50	7.9	46	1.620	220	
ER1641-103**	A100**	10.00	5,10	50	7.9	46	1.620	220	
ER1641-113**	A110**	11.00	5	50	2.5	44	2.000	200	
ER1641-123**	A120**	12.00	5,10	50	2.5	44	2.000	200	

MIL-PRF-39010/03									
ER1641-153**	A150**	15	5,10	45	2.50	49.0	0.80	315	
ER1641-163**	A160**	16	5	45	2.50	45.0	0.89	300	
ER1641-183**	A180**	18	5,10	45	2.50	45.0	0.89	300	
ER1641-203**	A200**	20	5	45	2.50	41.0	0.96	290	
ER1641-223**	A220**	22	5,10	45	2.50	41.0	0.96	290	
ER1641-243**	A240**	24	5	45	2.50	38.0	1.19	260	
ER1641-273**	A270**	27	5,10	45	2.50	38.0	1.19	260	
ER1641-303**	A300**	30	5	45	2.50	34.0	1.37	240	
ER1641-333**	A330**	33	5,10	45	2.50	34.0	1.37	240	
ER1641-363**	A360**	36	5	45	2.50	29.0	1.93	205	
ER1641-393**	A390**	39	5,10	50	2.50	29.0	1.93	205	
ER1641-433**	A430**	43	5	50	2.50	27.0	2.11	195	
ER1641-473**	A470**	47	5,10	50	2.50	27.0	2.11	195	
ER1641-513**	A510**	51	5	50	2.50	25.0	2.23	190	
ER1641-563**	A560**	56	5,10	50	2.50	25.0	2.23	190	

MIL-PRF-39010/03 (continued)									
ER1641-623**	A620**	62	5	50	2.50	21.0	2.44	180	
ER1641-683**	A680**	68	5,10	50	2.50	21.0	2.44	180	
ER1641-753**	A750**	75	5	50	2.50	10.5	2.70	170	
ER1641-823**	A820**	82	5,10	50	2.50	10.5	2.70	170	
ER1641-913**	A910**	91	5	50	2.50	10.0	3.12	160	
ER1641-104**	A101**	100	5,10	50	2.50	10.0	3.12	160	
ER1641-114**	A111**	110	5	50	0.79	9.7	3.60	150	
ER1641-124**	A121**	120	5,10	55	0.79	9.7	3.60	150	
ER1641-134**	A131**	130	5	55	0.79	8.5	4.10	140	
ER1641-154**	A151**	150	5,10	55	0.79	8.5	4.10	140	
ER1641-164**	A161**	160	5	55	0.79	8.0	4.40	135	
ER1641-184**	A181**	180	5,10	55	0.79	8.0	4.40	135	
ER1641-204**	A201**	200	5	55	0.79	7.5	5.00	125	
ER1641-224**	A221**	220	5,10	55	0.79	7.5	5.00	125	
ER1641-244**	A241**	240	5	55	0.79	7.0	5.80	115	
ER1641-274**	A271**	270	5,10	55	0.79	7.0	5.80	115	
ER1641-304**	A301**	300	5	55	0.79	6.5	6.40	110	
ER1641-334**	A331**	330	5,10	55	0.79	6.5	6.40	110	
ER1641-364**	A361**	360	5	55	0.79	6.2	7.40	105	
ER1641-394**	A391**	390	5,10	60	0.79	6.2	7.40	105	
ER1641-434**	A431**	430	5	60	0.79	5.7	9.50	92	
ER1641-474**	A471**	470	5,10	60	0.79	5.7	9.50	92	
ER1641-514**	A511**	510	5	60	0.79	4.7	10.50	90	
ER1641-564**	A561**	560	5,10	60	0.79	4.7	10.50	90	
ER1641-624**	A621**	620	5	60	0.79	4.5	11.80	80	
ER1641-684**	A681**	680	5,10	60	0.79	4.5	11.80	80	
ER1641-754**	A751**	750	5	60	0.79	4.2	13.00	80	
ER1641-824**	A821**	820	5,10	60	0.79	4.2	13.00	80	
ER1641-914**	A911**	910	5	60	0.79	3.8	17.50	70	
ER1641-105**	A102**	1,000	5,10	60	0.79	3.8	17.50	70	

MIL-PRF-39010/04									
ER1840-00**	BR15**	0.15	5,10,20	55	25.0	510	0.030	2,900	
ER1840-101**	BR16**	0.16	5	50	25.0	415	0.035	2,700	
ER1840-01**	BR18**	0.18	5,10	50	25.0	415	0.035	2,700	
ER1840-102**	BR20**	0.20	5	50	25.0	415	0.035	2,700	
ER1840-02**	BR22**	0.22	5,10,20	50	25.0	415	0.035	2,700	
ER1840-103**	BR24**	0.24	5	50	25.0	350	0.065	2,000	
ER1840-03**	BR27**	0.27	5,10	50	25.0	350	0.065	2,000	
ER1840-104**	BR30**	0.30	5	50	25.0	350	0.065	2,000	
ER1840-04**	BR33**	0.33	5,10,20	50	25.0	350	0.065	2,000	
ER1840-105**	BR36**	0.36	5	50	25.0	300	0.085	1,700	
ER1840-05**	BR39**	0.39	5,10	50	25.0	300	0.085	1,700	
ER1840-106**	BR43**	0.43	5	50	25.0	300	0.085	1,700	
ER1840-06**	BR47**	0.47	5,10,20	50	25.0	300	0.085	1,700	
ER1840-107**	BR51**	0.51	5	50	25.0	270	0.125	1,450	
ER1840-07**	BR56**	0.56	5,10	50	25.0	270	0.125	1,450	
ER1840-108**	BR62**	0.62	5	45	25.0	250	0.150	1,300	
ER1840-08**	BR68**	0.68	5,10	45	25.0	250	0.150	1,300	
ER1840-109**	BR75**	0.75	5	40	25.0	210	0.205	1,100	
ER1840-09**	BR82**	0.82	5,10	40	25.0	210	0.205	1,100	
ER1840-110**	BR91**	0.91	5	40	25.0	200	0.290	930	
ER1840-10**	B1R0**	1.00	5,10	40	25.0	200	0.290	930	
ER1840-111**	B1R1**	1.10	5	30	7.9	180	0.400	785	
ER1840-11**	B1R2**	1.20	5,10	30	7.9	180	0.400	785	
ER1840-112**	B1R3**	1.30	5	30	7.9	170	0.485	720	
ER1840-12**	B1R5**	1.50	5,10	30	7.9	170	0.485	720	
ER1840-113**	B1R6**	1.60	5	30	7.9	150	0.740	580	
ER1840-13**	B1R8**	1.80	5,10	30	7.9	150	0.740	580	
ER1840-114**	B2R0**	2.00	5	30	7.9	140	0.970	505	
ER1840-14**	B2R2**	2.20	5,10	30	7.9	140	0.970	505	
ER1840-15**	B2R4**	2.40	5	30	7.9	120	1.200	460	
ER1840-16**	B2R7**	2.70	5,10	30	7.9	120	1.200	460	

CONTINUED ON NEXT PAGE

ER SERIES (continued)

RF Inductors

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY NUMBER
 INDUCTANCE (μH)
 IND. TOLERANCE (%)
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (mΩ @ 25°C)
 CURRENT (mA)
 RATED DC CURRENT (mA)

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY NUMBER
 INDUCTANCE (μH)
 IND. TOLERANCE (%)
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (mΩ @ 25°C)
 CURRENT (mA)
 RATED DC CURRENT (mA)

MIL-PRF-39010/05									
ER1840-17**	A3R0**	3.00	5	30	7.9	70	0.140	945	
ER1840-18**	A3R3**	3.30	5,10	30	7.9	70	0.140	945	
ER1840-19**	A3R6**	3.60	5	30	7.9	65	0.155	870	
ER1840-20**	A3R9**	3.90	5,10	30	7.9	65	0.155	870	
ER1840-21**	A4R3**	4.30	5	30	7.9	60	0.210	745	
ER1840-22**	A4R7**	4.70	5,10	30	7.9	60	0.210	745	
ER1840-23**	A5R1**	5.10	5	30	7.9	50	0.280	645	
ER1840-24**	A5R6**	5.60	5,10	30	7.9	50	0.280	645	
ER1840-25**	A6R2**	6.20	5	30	7.9	50	0.375	560	
ER1840-26**	A6R8**	6.80	5,10	30	7.9	50	0.375	560	
ER1840-27**	A7R5**	7.50	5	30	7.9	48	0.440	520	
ER1840-28**	A8R2**	8.20	5,10	30	7.9	48	0.440	520	
ER1840-29**	A9R1**	9.10	5	30	7.9	42	0.605	440	
ER1840-30**	A100**	10.0	5,10	30	7.9	42	0.605	440	
ER1840-31**	A110**	11.0	5	30	2.5	36	1.05	335	
ER1840-32**	A120**	12.0	5,10	50	2.5	36	1.05	335	
ER1840-33**	A130**	13.0	5	50	2.5	30	1.20	310	
ER1840-34**	A150**	15.0	5,10	55	2.5	30	1.20	310	
ER1840-135**	A160**	16.0	5	55	2.5	30	1.95	245	
ER1840-35**	A180**	18.0	5,10	60	2.5	30	1.95	245	
ER1840-136**	A200**	20.0	5	60	2.5	24	2.20	230	
ER1840-36**	A220**	22.0	5,10	60	2.5	24	2.20	230	
ER1840-37**	A240**	24.0	5	60	2.5	22	2.75	205	
ER1840-38**	A270**	27.0	5,10	65	2.5	22	2.75	205	

MIL-PRF-39010/06									
ER1537-00**	BR15**	0.15	5,10,20	50	25.0	525	0.030	2,450	
ER1537-101**	BR16**	0.16	5	50	25.0	460	0.055	1,810	
ER1537-01**	BR18**	0.18	5,10	50	25.0	460	0.055	1,810	
ER1537-102**	BR20**	0.20	5	50	25.0	460	0.055	1,810	
ER1537-02**	BR22**	0.22	5,10,20	50	25.0	460	0.055	1,810	
ER1537-103**	BR24**	0.24	5	45	25.0	360	0.090	1,400	
ER1537-03**	BR27**	0.27	5,10	45	25.0	360	0.090	1,400	
ER1537-104**	BR30**	0.30	5	45	25.0	360	0.090	1,400	
ER1537-04**	BR33**	0.33	5,10,20	45	25.0	360	0.090	1,400	
ER1537-105**	BR36**	0.36	5	45	25.0	310	0.12	1,225	
ER1537-05**	BR39**	0.39	5,10	45	25.0	310	0.12	1,225	
ER1537-106**	BR43**	0.43	5	45	25.0	310	0.12	1,225	
ER1537-06**	BR47**	0.47	5,10,20	45	25.0	310	0.12	1,225	
ER1537-107**	BR51**	0.51	5	45	25.0	280	0.135	1,150	
ER1537-07**	BR56**	0.56	5,10	50	25.0	280	0.135	1,150	
ER1537-108**	BR62**	0.62	5	50	25.0	250	0.150	1,100	
ER1537-08**	BR68**	0.68	5,10	50	25.0	250	0.150	1,100	
ER1537-09**	BR75**	0.75	5	50	25.0	220	0.220	900	
ER1537-10**	BR82**	0.82	5,10	50	25.0	220	0.220	900	
ER1537-11**	BR91**	0.91	5	50	25.0	200	0.290	785	
ER1537-12**	B1R0**	1.00	5,10	50	25.0	200	0.290	785	
ER1537-13**	B1R1**	1.10	5	33	7.9	180	0.420	650	
ER1537-14**	B1R2**	1.20	5,10	33	7.9	180	0.420	650	
ER1537-15**	B1R3**	1.30	5	33	7.9	160	0.500	600	
ER1537-16**	B1R5**	1.50	5,10	33	7.9	160	0.500	600	
ER1537-17**	B1R6**	1.60	5	33	7.9	150	0.650	525	
ER1537-18**	B1R8**	1.80	5,10	33	7.9	150	0.650	525	
ER1537-19**	B2R0**	2.00	5	33	7.9	135	0.950	435	
ER1537-20**	B2R2**	2.20	5,10	33	7.9	135	0.950	435	
ER1537-21**	B2R4**	2.40	5	33	7.9	120	1.20	385	
ER1537-22**	B2R7**	2.70	5,10	33	7.9	120	1.20	385	
ER1537-23**	B3R0**	3.00	5	33	7.9	110	2.00	300	
ER1537-24**	B3R3**	3.30	5,10	33	7.9	110	2.00	300	
ER1537-25**	B3R6**	3.60	5	33	7.9	100	2.30	280	
ER1537-26**	B3R9**	3.90	5,10	33	7.9	100	2.30	280	
ER1537-27**	B4R3**	4.30	5	33	7.9	90	2.60	260	
ER1537-28**	B4R7**	4.70	5,10	33	7.9	90	2.60	260	

MIL-PRF-39010/07									
ER1537-29**	A5R1**	5.1	5	45	7.9	60	0.32	495	
ER1537-30**	A5R6**	5.6	5,10	45	7.9	60	0.32	495	
ER1537-31**	A6R2**	6.2	5	45	7.9	55	0.50	395	
ER1537-32**	A6R8**	6.8	5,10	50	7.9	55	0.50	395	
ER1537-33**	A7R5**	7.5	5	50	7.9	50	0.60	360	
ER1537-34**	A8R2**	8.2	5,10	50	7.9	50	0.60	360	
ER1537-35**	A9R1**	9.1	5	50	7.9	45	0.90	290	
ER1537-36**	A100**	10.0	5,10	55	7.9	45	0.90	290	
ER1537-37**	A110**	11.0	5	55	2.5	42	1.10	265	
ER1537-38**	A120**	12.0	5,10	65	2.5	42	1.10	265	
ER1537-39**	A130**	13.0	5	65	2.5	40	1.40	240	
ER1537-40**	A150**	15.0	5,10	65	2.5	40	1.40	240	
ER1537-41**	A160**	16.0	5	65	2.5	34	2.25	185	
ER1537-42**	A180**	18.0	5,10	75	2.5	34	2.25	185	
ER1537-43**	A200**	20.0	5	75	2.5	30	2.50	175	
ER1537-44**	A220**	22.0	5,10	75	2.5	30	2.50	175	
ER1537-46**	A240**	24.0	5	60	2.5	25	2.60	170	
ER1537-48**	A270**	27.0	5,10	60	2.5	25	2.60	170	
ER1537-50**	A300**	30.0	5	60	2.5	19	3.00	165	
ER1537-52**	A330**	33.0	5,10	65	2.5	19	3.00	165	

MIL-PRF-39010/08									
ER1025-94**	BR10**	0.10	5,10	40	25.0	680	0.08	1,350	
ER1025-95**	BR11**	0.11	5	40	25.0	640	0.09	1,270	
ER1025-96**	BR12**	0.12	5,10	40	25.0	640	0.09	1,270	
ER1025-97**	BR13**	0.13	5	38	25.0	600	0.10	1,200	
ER1025-00**	BR15**	0.15	5,10	38	25.0	600	0.10	1,200	
ER1025-01**	BR16**	0.16	5	35	25.0	550	0.12	1,105	
ER1025-02**	BR18**	0.18	5,10	35	25.0	550	0.12	1,105	
ER1025-03**	BR20**	0.20	5	33	25.0	510	0.14	1,025	
ER1025-04**	BR22**	0.22	5,10	33	25.0	510	0.14	1,025	
ER1025-05**	BR24**	0.24	5	33	25.0	430	0.16	960	
ER1025-06**	BR27**	0.27	5,10	33	25.0	430	0.16	960	
ER1025-07**	BR30**	0.30	5	30	25.0	410	0.22	815	
ER1025-08**	BR33**	0.33	5,10	30	25.0	410	0.22	815	
ER1025-09**	BR36**	0.36	5	30	25.0	365	0.30	700	
ER1025-10**	BR39**	0.39	5,10	30	25.0	365	0.30	700	
ER1025-11**	BR43**	0.43	5	30	25.0	330	0.35	650	
ER1025-12**	BR47**	0.47	5,10	30	25.0	330	0.35	650	
ER1025-13**	BR51**	0.51	5	30	25.0	300	0.50	545	
ER1025-14**	BR56**	0.56	5,10	30	25.0	300	0.50	545	
ER1025-15**	BR62**	0.62	5	28	25.0	275	0.60	495	
ER1025-16**	BR68**	0.68	5,10	28	25.0	275	0.60	495	
ER1025-17**	BR75**	0.75	5	28	25.0	250	0.85	415	
ER1025-18**	BR82**	0.82	5,10	28	25.0	250	0.85	415	
ER1025-19**	BR91**	0.91	5	25	25.0	230	1.00	385	
ER1025-20**	B1R0**	1.00	5,10	25	25.0	230	1.00	385	

CONTINUED ON NEXT PAGE

ER SERIES (continued)

RF Inductors

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY NUMBER
 INDUCTANCE (μH)
 IND. TOLERANCE (%)
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (mΩ)
 CURRENT (mA)
 RATED DC CURRENT (mA)

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY NUMBER
 INDUCTANCE (μH)
 IND. TOLERANCE (%)
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (mΩ)
 CURRENT (mA)
 RATED DC CURRENT (mA)

MIL-PRF-39010/09								
ER1025-21**	A1R1**	1.1	5	25	7.9	150	0.18	590
ER1025-22**	A1R2**	1.2	5,10	25	7.9	150	0.18	590
ER1025-23**	A1R3**	1.3	5	25	7.9	140	0.22	535
ER1025-24**	A1R5**	1.5	5,10	28	7.9	140	0.22	535
ER1025-25**	A1R6**	1.6	5	28	7.9	125	0.30	455
ER1025-26**	A1R8**	1.8	5,10	30	7.9	125	0.30	455
ER1025-27**	A2R0**	2.0	5	30	7.9	115	0.40	395
ER1025-28**	A2R2**	2.2	5,10	30	7.9	115	0.40	395
ER1025-29**	A2R4**	2.4	5	30	7.9	100	0.55	335
ER1025-30**	A2R7**	2.7	5,10	37	7.9	100	0.55	335
ER1025-31**	A3R0**	3.0	5	37	7.9	90	0.85	270
ER1025-32**	A3R3**	3.3	5,10	45	7.9	90	0.85	270
ER1025-33**	A3R6**	3.6	5	45	7.9	80	1.00	250
ER1025-34**	A3R9**	3.9	5,10	45	7.9	80	1.00	250
ER1025-35**	A4R3**	4.3	5	45	7.9	75	1.20	230
ER1025-36**	A4R7**	4.7	5,10	45	7.9	75	1.20	230
ER1025-37**	A5R1**	5.1	5	45	7.9	65	1.80	185
ER1025-38**	A5R6**	5.6	5,10	50	7.9	65	1.80	185
ER1025-39**	A6R2**	6.2	5	50	7.9	60	2.00	175
ER1025-40**	A6R8**	6.8	5,10	50	7.9	60	2.00	175
ER1025-41**	A7R5**	7.5	5	50	7.9	55	2.70	155
ER1025-42**	A8R2**	8.2	5,10	55	7.9	55	2.70	155
ER1025-43**	A9R1**	9.1	5	55	7.9	50	3.70	130
ER1025-44**	A100**	10.0	5,10	55	7.9	50	3.70	130
ER1025-45**	A110**	11.0	5	45	2.5	40	2.70	130
ER1025-46**	A120**	12.0	5,10	45	2.5	40	2.70	155
ER1025-47**	A130**	13.0	5	40	2.5	35	2.80	150
ER1025-48**	A150**	15.0	5,10	40	2.5	35	2.80	150
ER1025-49**	A160**	16.0	5	40	2.5	30	3.10	145
ER1025-50**	A180**	18.0	5,10	50	2.5	30	3.10	145
ER1025-51**	A200**	20.0	5	50	2.5	25	3.30	140
ER1025-52**	A220**	22.0	5,10	50	2.5	25	3.30	140
ER1025-53**	A240**	24.0	5	50	2.5	20	3.50	135
ER1025-54**	A270**	27.0	5,10	50	2.5	20	3.50	135

MIL-PRF-39010/10								
ER1025-55**	A300**	30.0	5	45	2.50	24	3.4	130
ER1025-56**	A330**	33.0	5,10	45	2.50	24	3.4	130
ER1025-57**	A360**	36.0	5	45	2.50	22	3.6	125
ER1025-58**	A390**	39.0	5,10	45	2.50	22	3.6	125
ER1025-59**	A430**	43.0	5	45	2.50	20	4.5	110
ER1025-60**	A470**	47.0	5,10	45	2.50	20	4.5	110
ER1025-61**	A510**	51.0	5	45	2.50	18	5.7	100
ER1025-62**	A560**	56.0	5,10	45	2.50	18	5.7	100
ER1025-63**	A620**	62.0	5	45	2.50	15	6.7	92
ER1025-64**	A680**	68.0	5,10	50	2.50	15	6.7	92
ER1025-65**	A750**	75.0	5	50	2.50	14	7.3	88
ER1025-66**	A820**	82.0	5,10	50	2.50	14	7.3	88
ER1025-67**	A910**	91.0	5	50	2.50	13	8.0	84
ER1025-68**	A101**	100	5,10	50	2.50	13	8.0	84
ER1025-69**	A111**	110	5	30	0.79	12	13.0	66
ER1025-70**	A121**	120	5,10	30	0.79	12	13.0	66
ER1025-71**	A131**	130	5	30	0.79	11	15.0	61
ER1025-72**	A151**	150	5,10	30	0.79	11	15.0	61
ER1025-73**	A161**	160	5	30	0.79	10	17.0	57
ER1025-74**	A181**	180	5,10	30	0.79	10	17.0	57
ER1025-75**	A201**	200	5	30	0.79	9.0	21.0	52
ER1025-76**	A221**	220	5,10	30	0.79	9.0	21.0	52
ER1025-77**	A241**	240	5	30	0.79	8.0	25.0	47
ER1025-78**	A271**	270	5,10	30	0.79	8.0	25.0	47
ER1025-79**	A301**	300	5	30	0.79	7.0	28.0	45
ER1025-80**	A331**	330	5,10	30	0.79	7.0	28.0	45
ER1025-81**	A361**	360	5	30	0.79	6.5	35.0	40
ER1025-82**	A391**	390	5,10	30	0.79	6.5	35.0	40
ER1025-83**	A431**	430	5	30	0.79	6.0	42.0	36
ER1025-84**	A471**	470	5,10	30	0.79	6.0	42.0	36
ER1025-85**	A511**	510	5	30	0.79	5.0	46.0	35
ER1025-86**	A561**	560	5,10	30	0.79	5.0	46.0	35
ER1025-87**	A621**	620	5	30	0.79	4.0	60.0	30
ER1025-88**	A681**	680	5,10	30	0.79	4.0	60.0	30
ER1025-89**	A751**	750	5	30	0.79	3.8	65.0	29
ER1025-90**	A821**	820	5,10	30	0.79	3.8	65.0	29
ER1025-91**	A911**	910	5	30	0.79	3.4	72.0	28
ER1025-92**	A102**	1,000	5,10	30	0.79	3.4	72.0	28

