

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, μ H	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	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	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	0.025 ± 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	0.635 ± 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	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

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

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

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

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ER SERIES (continued)

RF Inductors

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

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

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

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