

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 designator	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 (%)
 Q MINIMUM
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM DC RESISTANCE (OHMS @ 25°C)
 CURRENT RATED DC (mA)
 RATED DC CURRENT (mA @ 25°C)

DELEVAN 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)
 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

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

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								
Part No.	Code	Inductance (μH)	Ind. Tol. (%)	Q Min	Test Freq (MHz)	SRF Min (MHz)	DC Res (Ω @ 25°C)	Rated DC Current (mA)
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								
Part No.	Code	Inductance (μH)	Ind. Tol. (%)	Q Min	Test Freq (MHz)	SRF Min (MHz)	DC Res (Ω @ 25°C)	Rated DC Current (mA)
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

