

# 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, $\mu$ 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 $\pm 0.020$	0.410 $\pm 0.020$	0.410 $\pm 0.020$	0.437 $\pm 0.01$	0.437 $\pm 0.01$	0.375 $\pm 0.010$	0.375 $\pm 0.010$	0.250 $\pm 0.010$	0.250 $\pm 0.010$	0.250 $\pm 0.010$
Millimeters	10.41 $\pm 0.51$	10.41 $\pm 0.51$	10.41 $\pm 0.51$	11.10 $\pm 0.25$	11.10 $\pm 0.25$	9.53 $\pm 0.25$	9.53 $\pm 0.25$	6.35 $\pm 0.25$	6.35 $\pm 0.25$	6.35 $\pm 0.25$
Diameter, Inches	0.162 $\pm 0.010$	0.162 $\pm 0.010$	0.162 $\pm 0.010$	0.187 $\pm 0.010$	0.187 $\pm 0.010$	0.156 $\pm 0.010$	0.156 $\pm 0.010$	0.095 $\pm 0.010$	0.095 $\pm 0.010$	0.095 $\pm 0.010$
Millimeters	4.11 $\pm 0.25$	4.11 $\pm 0.25$	4.11 $\pm 0.25$	4.75 $\pm 0.25$	4.75 $\pm 0.25$	3.96 $\pm 0.25$	3.96 $\pm 0.25$	2.41 $\pm 0.25$	2.41 $\pm 0.25$	2.41 $\pm 0.25$
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 $\pm 0.002$	0.025 $\pm 0.002$	0.025 $\pm 0.002$	0.025 $\pm 0.002$	0.025 $\pm 0.002$	0.025 $\pm 0.002$	0.025 $\pm 0.002$	0.020 $\pm 0.0015$	0.020 $\pm 0.0015$	0.020 $\pm 0.0015$
Millimeters	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.635 $\pm 0.051$	0.51 $\pm 0.04$	0.51 $\pm 0.04$	0.51 $\pm 0.04$
Lead Length, Inches	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$	1.438 $\pm 0.188$
Millimeters	36.53 $\pm 4.77$	36.53 $\pm 4.77$	36.53 $\pm 4.77$	36.58 $\pm 3.05$	36.58 $\pm 3.05$	36.53 $\pm 4.77$	36.53 $\pm 4.77$	36.53 $\pm 4.77$	36.53 $\pm 4.77$	36.53 $\pm 4.77$
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**

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)    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)    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  
 MILITARY DASH 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  
 MILITARY DASH 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

