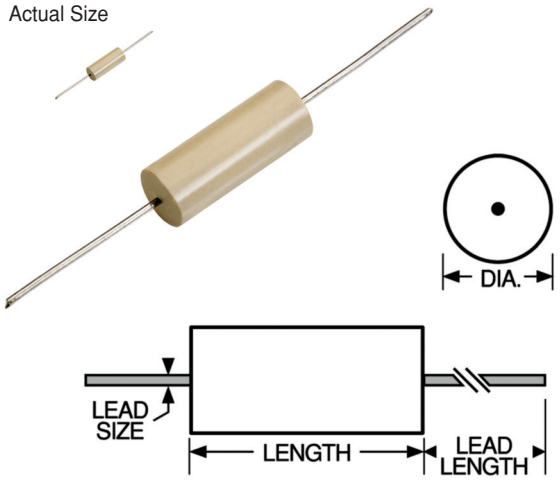
SERIES 0819R 0819

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Physical Parameters

	Inches	Millimeters
Length	0.200 ± 0.010	5.08 ± 0.25
Diameter	0.078 ± 0.008	1.98 ± 0.20
Lead Size		
AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.10 ± 3.05

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron and Ferrite: 15°C Rise

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron and Ferrite: –55°C to +105°C

Maximum Power Dissipation at 90°C
Phenolic: 0.145 W
Iron and Ferrite: 0.062 W

Weight Max. (Grams)
Phenolic: 0.19
Iron and Ferrite: 0 .22

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 0819-32K

Front:	*Reverse:*
DELEVAN	0850B
2.2uH±10%	

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 0819 PHENOLIC CORE						
-00K	0.10	35	25.0	680	0.13	895
-02K	0.12	35	25.0	650	0.15	835
-04K	0.15	35	25.0	560	0.18	760
-06K	0.18	35	25.0	540	0.21	705
-08K	0.22	30	25.0	500	0.25	645
-10K	0.27	30	25.0	440	0.38	525
-12K	0.33	25	25.0	410	0.49	460
-14K	0.39	25	25.0	380	0.59	420
-16K	0.47	25	25.0	340	0.62	410
SERIES 0819 IRON CORE						
-18K	0.56	40	25.0	250	0.18	510
-20K	0.68	40	25.0	215	0.20	485
-22K	0.82	40	25.0	200	0.22	465
-24K	1.0	40	25.0	190	0.25	435
-26K	1.2	35	7.9	170	0.28	410
-28K	1.5	40	7.9	150	0.49	310
-30K	1.8	40	7.9	135	0.56	290
-32K	2.2	45	7.9	130	0.72	257
-34K	2.7	45	7.9	110	0.85	236
-36K	3.3	45	7.9	100	1.2	198
-38K	3.9	50	7.9	95	1.5	178
-40K	4.7	55	7.9	88	2.1	150
-42K	5.6	55	7.9	78	2.8	130
-44K	6.8	55	7.9	69	3.2	122
-46K	8.2	45	7.9	52	4.4	104
-48K	10.0	45	7.9	47	5.2	95
SERIES 0819 FERRITE CORE						
-50K	12.0	40	2.5	31.0	3.0	126.0
-52K	15.0	40	2.5	26.0	3.4	118.0
-54K	18.0	40	2.5	23.0	3.8	112.0
-56K	22.0	45	2.5	20.0	4.3	105.0
-58K	27.0	45	2.5	17.0	4.7	100.0
-60K	33.0	45	2.5	15.0	5.2	95.0
-62K	39.0	45	2.5	13.5	6.8	83.5
-64K	47.0	45	2.5	12.5	8.2	76.0
-66K	56.0	45	2.5	11.5	10.0	69.0
-68K	68.0	45	2.5	10.5	11.5	64.0
-70K	82.0	45	2.5	10.0	16.0	54.5
-72K	100.0	45	2.5	9.5	17.5	52.0
-74K	120.0	35	0.79	8.9	16.0	54.5
-76K	150.0	35	0.79	7.9	18.0	51.0
-78K	180.0	35	0.79	7.5	20.0	49.0
-80K	220.0	35	0.79	7.1	26.5	42.5
-82K	270.0	35	0.79	6.6	30.5	39.0
-84K	330.0	35	0.79	6.2	40.5	34.0
-86K	390.0	35	0.79	5.9	43.0	33.0
-88K	470.0	35	0.79	5.4	48.0	31.5
-90K	560.0	35	0.79	5.0	60.0	28.0
-92K	680.0	35	0.79	4.5	66.0	27.0
-94K	820.0	35	0.79	3.9	72.0	25.5
-96K	1000.0	35	0.79	3.3	79.0	24.5

Optional Tolerances: J= 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: apisales@delevan.com • www.delevan.com

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