

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[API Delevan](#)
[1782-95J](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

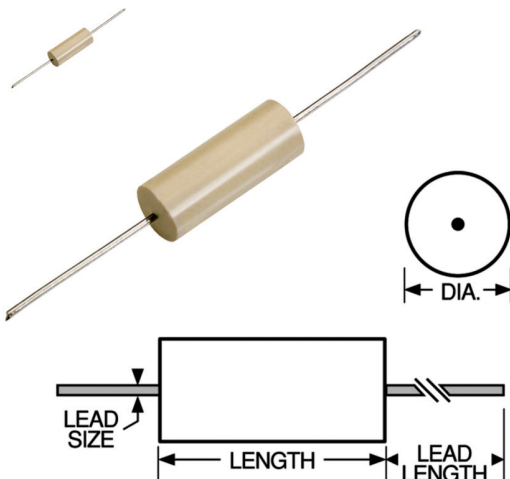
SERIES

1782R
1782



Molded Unshielded RF Coils

Actual Size



Physical Parameters

	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size		
AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

Current Rating at 90°C Ambient

LT4K 35°C Rise

LT10K 15°C Rise

Operating Temperature Range

LT4K -55°C to + 125°C

LT10K -55°C to + 105°C

Maximum Power Dissipation at 90°C

Phenolic: LT4K 0.21 W

Iron: LT10K 0.09 W

Ferrite: LT10K 0.073 W

Weight Max. (Grams) 0.3

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

Example: 1782-49J

Front:	Reverse:
DELEVAN	16uH±5%
16uH±5%	0237A

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 1782 PHENOLIC CORE (LT4K)						
-95J	0.11	40	25.0	640	0.09	1270
-97J	0.13	38	25.0	600	0.10	1200
-02J	0.16	35	25.0	550	0.12	1105
-03J	0.20	33	25.0	510	0.14	1025
-05J	0.24	33	25.0	430	0.16	960
-07J	0.30	30	25.0	410	0.22	815
-09J	0.36	30	25.0	365	0.30	700
-11J	0.43	30	25.0	330	0.35	650
-13J	0.51	30	25.0	300	0.50	545
-15J	0.62	28	25.0	275	0.60	495
-17J	0.75	28	25.0	250	0.85	415
-19J	0.91	25	25.0	230	1.00	385
SERIES 1782 IRON CORE (LT10K)						
-21J	1.10	25	7.9	150	0.18	590
-23J	1.30	25	7.9	140	0.22	535
-25J	1.60	28	7.9	125	0.30	455
-27J	2.00	30	7.9	115	0.40	395
-29J	2.40	30	7.9	100	0.55	335
-31J	3.00	37	7.9	90	0.85	270
-33J	3.60	45	7.9	80	1.00	250
-35J	4.30	45	7.9	75	1.20	230
-37J	5.10	45	7.9	65	1.80	185
-39J	6.20	50	7.9	60	2.00	175
-41J	7.50	50	7.9	55	2.70	155
-43J	9.10	55	7.9	50	3.70	130
-45J	11.0	45	2.5	40	2.70	155
-47J	13.0	40	2.5	35	2.80	150
-49J	16.0	40	2.5	30	3.10	145
-51J	20.0	50	2.5	25	3.30	140
-53J	24.0	50	2.5	20	3.50	135
SERIES 1782 FERRITE CORE (LT10K)						
-55J	30.0	45	2.5	20	3.40	130
-57J	36.0	45	2.5	22	3.60	125
-59J	43.0	45	2.5	20	4.50	110
-61J	51.0	45	2.5	18	5.70	100
-63J	62.0	45	2.5	15	6.70	92
-65J	75.0	50	2.5	14	7.30	88
-67J	91.0	50	2.5	13	8.00	84
-69J	110.0	30	0.790	12	13.0	66
-71J	130.0	30	0.790	11	15.0	61
-73J	160.0	30	0.790	10	17.0	57
-75J	200.0	30	0.790	9.0	21.0	52
-77J	240.0	30	0.790	8.0	25.0	47
-79J	300.0	30	0.790	7.0	28.0	45
-81J	360.0	30	0.790	6.5	35.0	40
-83J	430.0	30	0.790	6.0	42.0	36
-85J	510.0	30	0.790	5.0	46.0	35
-87J	620.0	30	0.790	4.0	60.0	30
-89J	750.0	30	0.790	3.8	65.0	29
-91J	910.0	30	0.790	3.4	72.0	28

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

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

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