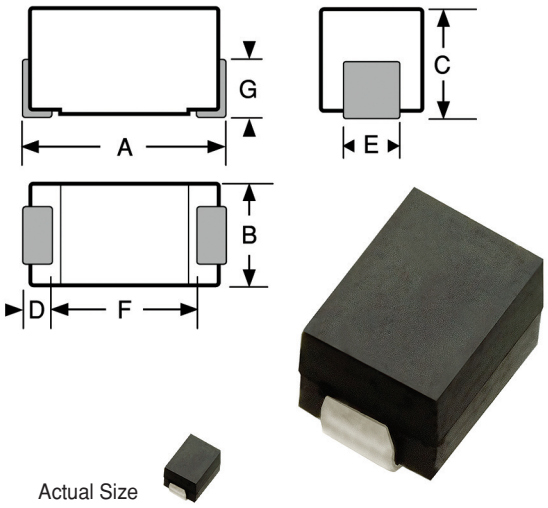
SERIES 1331R 1331

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors

RF Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Dimensions “A” and “C” are over terminations

Weight Max (Grams) 0.30

Operating Temperature Range –55°C to +105°C

Current Rating at 90°C Ambient 15°C Rise

Maximum Power Dissipation at 90°C 0.585 W

Incremental Current Current level which causes a maximum of 5% decrease in inductance.

Coupling 3% Max.

****Note** Self Resonant Frequency (SRF) values for -101K to -331K are calculated and for reference only.

Marking API/SMD; inductance with units and tolerance followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1331R-683K
API/SMD
68uH±10%S
R 0719B

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 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)	INCREMENTAL CURRENT (mA)
SERIES 1331 IRON CORE - IRON SLEEVE							
-101K	0.10	45	25.0	490.0**	0.10	670	670
-121K	0.12	45	25.0	430.0**	0.11	635	635
-151K	0.15	45	25.0	415.0**	0.12	610	610
-181K	0.18	45	25.0	375.0**	0.13	585	585
-221K	0.22	45	25.0	330.0**	0.15	545	545
-271K	0.27	45	25.0	300.0**	0.16	530	530
-331K	0.33	44	25.0	260.0**	0.18	495	495
-391K	0.39	42	25.0	230.0	0.19	485	485
-471K	0.47	41	25.0	220.0	0.21	460	460
-561K	0.56	41	25.0	210.0	0.23	440	440
-681K	0.68	39	25.0	180.0	0.24	430	430
-821K	0.82	38	25.0	165.0	0.27	405	405
-102K	1.00	37	25.0	150.0	0.30	385	385
-122K	1.20	40	7.9	130.0	0.73	247	247
-152K	1.50	41	7.9	115.0	0.86	228	228
-182K	1.80	43	7.9	105.0	0.95	217	217
-222K	2.20	45	7.9	95.0	1.10	202	202
-272K	2.70	48	7.9	90.0	1.20	193	193
-332K	3.30	49	7.9	80.0	1.30	185	185
-392K	3.90	50	7.9	75.0	1.50	173	173
-472K	4.70	50	7.9	70.0	2.40	136	136
-562K	5.60	50	7.9	60.0	2.90	124	124
-682K	6.80	50	7.9	55.0	3.20	118	118
-822K	8.20	50	7.9	53.0	3.60	111	111
-103K	10.0	50	7.9	50.0	4.00	106	106
SERIES 1331 IRON CORE - FERRITE SLEEVE							
-123K	12.0	36	2.5	35.0	3.00	122	122
-153K	15.0	38	2.5	30.0	3.40	115	115
-183K	18.0	40	2.5	26.0	3.80	108	108
-223K	22.0	40	2.5	24.0	4.90	96	96
-273K	27.0	40	2.5	21.0	5.80	88	88
-333K	33.0	41	2.5	20.0	6.50	83	83
-393K	39.0	42	2.5	19.0	7.90	75	75
-473K	47.0	44	2.5	16.0	9.30	69	69
-563K	56.0	44	2.5	15.0	11.0	64	64
-683K	68.0	45	2.5	13.0	12.0	61	61
-823K	82.0	45	2.5	11.0	13.0	59	59
-104K	100.0	40	2.5	10.5	16.8	51	51
SERIES 1331 FERRITE CORE - FERRITE SLEEVE							
-124K	120.0	31	0.79	13.0	5.80	88	27
-154K	150.0	33	0.79	12.0	7.90	75	24
-184K	180.0	33	0.79	11.0	9.40	69	22
-224K	220.0	35	0.79	10.0	11.0	64	20
-274K	270.0	35	0.79	9.0	12.0	61	18
-334K	330.0	35	0.79	8.0	16.0	53	16
-394K	390.0	35	0.79	7.8	21.0	46	14
-474K	470.0	35	0.79	7.5	24.0	43	13
-564K	560.0	35	0.79	7.0	28.0	40	12

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

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