

DR217-5 SERIES RADIAL LEADED INDUCTORS

Features

- Designed for EMI Filters & Switching Power Supplies
- Inductance Range from 3.3 μ H to 100mH
- Operating Temp. -20°C to +80°C
- Tinned Leads with Leaded Solder is Available (note 4)

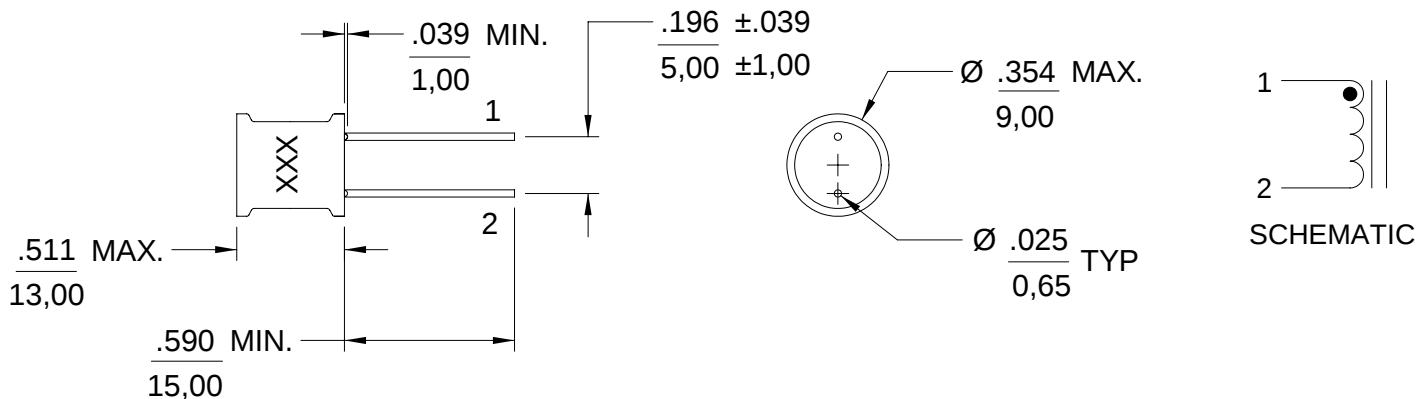


ELECTRICAL SPECIFICATIONS AT 25°C

Part Number	Inductance (μ H) @1kHz	Q Min.	Q Test Freq.	SRF (MHz) TYP.	DCR (Ohm) Max.	Rated DC Current (A) Max.
DR217-5-332	3.3 $\pm$ 20%	30	7.96MHz	65	0.012	5.0
DR217-5-392	3.9 $\pm$ 10%	30	7.96MHz	55	0.014	4.6
DR217-5-472	4.7 $\pm$ 10%	30	7.96MHz	45	0.016	4.3
DR217-5-562	5.6 $\pm$ 10%	30	7.96MHz	38	0.02	3.9
DR217-5-682	6.8 $\pm$ 10%	30	7.96MHz	27	0.022	3.7
DR217-5-822	8.2 $\pm$ 10%	30	7.96MHz	21	0.024	3.5
DR217-5-103	10 $\pm$ 10%	50	2.52MHz	17	0.025	3.2
DR217-5-123	12 $\pm$ 10%	50	2.52MHz	15	0.027	3.0
DR217-5-153	15 $\pm$ 10%	50	2.52MHz	13	0.033	2.8
DR217-5-183	18 $\pm$ 10%	50	2.52MHz	12	0.039	2.6
DR217-5-223	22 $\pm$ 10%	50	2.52MHz	11	0.047	2.4
DR217-5-273	27 $\pm$ 10%	50	2.52MHz	10	0.052	2.1
DR217-5-333	33 $\pm$ 10%	50	2.52MHz	8.5	0.075	1.9
DR217-5-393	39 $\pm$ 10%	40	2.52MHz	7.7	0.082	1.7
DR217-5-473	47 $\pm$ 10%	40	2.52MHz	6.7	0.1	1.5
DR217-5-563	56 $\pm$ 10%	40	2.52MHz	6.4	0.15	1.3
DR217-5-683	68 $\pm$ 10%	30	2.52MHz	5.8	0.18	1.2
DR217-5-823	82 $\pm$ 10%	30	2.52MHz	5.2	0.2	1.1
DR217-5-104	100 $\pm$ 10%	30	796kHz	4.4	0.2	0.9
DR217-5-124	120 $\pm$ 10%	30	796kHz	4.2	0.22	0.8
DR217-5-154	150 $\pm$ 10%	30	796kHz	3.7	0.24	0.72
DR217-5-184	180 $\pm$ 10%	30	796kHz	3.5	0.28	0.65
DR217-5-224	220 $\pm$ 10%	20	796kHz	3.3	0.35	0.60
DR217-5-274	270 $\pm$ 10%	20	796kHz	2.9	0.4	0.55
DR217-5-334	330 $\pm$ 10%	20	796kHz	2.6	0.47	0.50
DR217-5-394	390 $\pm$ 10%	20	796kHz	2.4	0.68	0.46
DR217-5-474	470 $\pm$ 10%	20	796kHz	2.2	0.8	0.42
DR217-5-564	560 $\pm$ 10%	20	796kHz	2.0	1	0.38
DR217-5-684	680 $\pm$ 10%	20	796kHz	1.8	1.2	0.35
DR217-5-824	820 $\pm$ 10%	20	796kHz	1.7	1.5	0.31
DR217-5-105	1000 $\pm$ 10%	40	252kHz	1.5	1.8	0.28
DR217-5-125	1200 $\pm$ 10%	40	252kHz	1.4	2	0.25
DR217-5-155	1500 $\pm$ 10%	40	252kHz	1.3	2.4	0.23

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Part Number	Inductance (uH) @1kHz	Q Min.	Q Test Freq.	SRF (MHz) TYP.	DCR (Ohm) Max.	Rated DC Current (A) Max.
DR217-5-185	1800 ± 10%	40	252kHz	1.1	2.8	0.21
DR217-5-225	2200 ± 10%	40	252kHz	1.0	3.3	0.19
DR217-5-275	2700 ± 10%	40	252kHz	0.88	5	0.17
DR217-5-335	3300 ± 10%	40	252kHz	0.78	5.6	0.15
DR217-5-395	3900 ± 10%	40	252kHz	0.72	6.2	0.14
DR217-5-475	4700 ± 10%	40	252kHz	0.65	7	0.13
DR217-5-565	5600 ± 10%	40	252kHz	0.58	9.1	0.12
DR217-5-685	6800 ± 10%	40	252kHz	0.55	10	0.11
DR217-5-825	8200 ± 10%	20	252kHz	0.5	15	0.10
DR217-5-106	10000 ± 10%	20	79.6kHz	0.42	24	0.09
DR217-5-476	47000 ± 10%	60	79.6kHz	0.20	80	0.04
DR217-5-107	100000 ± 10%	20	79.6kHz	0.14	180	0.028

MECHANICAL SPECIFICATIONS

NOTES:

1. Dimensions are shown in inches/millimeters
2. Unless otherwise specified, tolerance = Inches: ± 0.012
= Millimeters: $\pm 0,30$
3. IDC MAX based on the inductance being 90% of its initial value
4. For non-RoHS parts replace DR prefix with 42- (e.g. DR217-5 becomes 42-217-5)
5. Terminal finish is compliant to RoHS requirements