



## DR217-3 SERIES RADIAL LEADED INDUCTORS

### Features

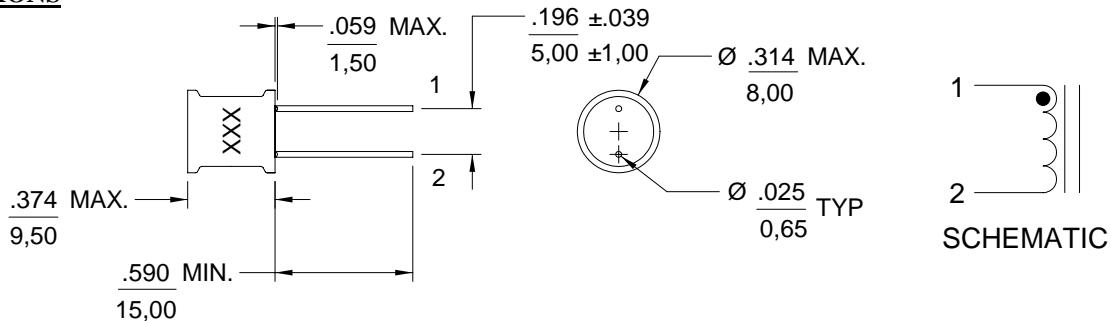
- Designed for EMI Filters & Switching Power Supplies
- Inductance Range from  $1.0\mu\text{H}$  to  $1500\mu\text{H}$
- Operating Temp.  $-20^\circ\text{C}$  to  $+80^\circ\text{C}$
- Tinned Leads with Leaded Solder is Available (note 5)



### ELECTRICAL SPECIFICATIONS AT $25^\circ\text{C}$

Part Number	Inductance ( $\mu\text{H}$ ) @1kHz	Q Min.	Q Test Freq.	SRF (MHz) Ref.	DCR (Ohm) Max.	Rated Current (A) Max. I sat	Rated Current (A) Max. I rms
DR217-3-102	$1.0 \pm 20\%$	10	7.96MHz	70	0.006	6.6	5.0
DR217-3-152	$1.5 \pm 20\%$	10	7.96MHz	56	0.008	5.4	4.3
DR217-3-222	$2.2 \pm 20\%$	10	7.96MHz	45	0.011	4.0	3.7
DR217-3-332	$3.3 \pm 20\%$	10	7.96MHz	36	0.018	3.6	2.9
DR217-3-472	$4.7 \pm 20\%$	10	7.96MHz	29	0.022	3.1	2.6
DR217-3-682	$6.8 \pm 20\%$	10	7.96MHz	24	0.028	2.5	2.3
DR217-3-103	$10 \pm 10\%$	20	2.52MHz	19	0.043	2.1	1.9
DR217-3-153	$15 \pm 10\%$	20	2.52MHz	15	0.056	1.7	1.6
DR217-3-223	$22 \pm 10\%$	20	2.52MHz	12	0.086	1.4	1.3
DR217-3-333	$33 \pm 10\%$	20	2.52MHz	9.4	0.14	1.1	1.0
DR217-3-473	$47 \pm 10\%$	20	2.52MHz	7.6	0.17	0.96	0.94
DR217-3-683	$68 \pm 10\%$	20	2.52MHz	6.2	0.28	0.79	0.73
DR217-3-104	$100 \pm 10\%$	20	796kHz	5.0	0.33	0.66	0.67
DR217-3-154	$150 \pm 10\%$	20	796kHz	4.0	0.56	0.53	0.52
DR217-3-224	$220 \pm 10\%$	20	796kHz	3.2	0.72	0.44	0.46
DR217-3-334	$330 \pm 10\%$	20	796kHz	2.5	1.1	0.36	0.37
DR217-3-474	$470 \pm 10\%$	20	796kHz	2.0	1.7	0.30	0.30
DR217-3-684	$680 \pm 10\%$	20	796kHz	1.7	2.3	0.25	0.26
DR217-3-105	$1000 \pm 10\%$	70	252kHz	1.3	4.3	0.20	0.19
DR217-3-155	$1500 \pm 10\%$	50	252kHz	1.3	5.0	0.17	0.16

### MECHANICAL SPECIFICATIONS



#### NOTES:

1. Dimensions are shown in inches/millimeters
2. Unless otherwise specified, tolerance = Inches:  $\pm 0.012$   
= Millimeters:  $\pm 0.30$
3. Isat based on the inductance being 90% of its initial value
4. Irms based on a temperature rise of  $20^\circ\text{C}$
5. For non-RoHS parts replace DR prefix with 42- (e.g. DR217-3 becomes 42-217-3)
6. Terminal finish is compliant to RoHS requirements

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All specifications are subject to change without notice.