



## DR366-1 Series Radial Leaded Shielded Inductors

### Features

- Height: 9.8mm Max
- Inductance Range: 1 $\mu$ H – 1.5mH
- Non-RoHS Versions are Available (Note 4)
- Meets UL 94V-0

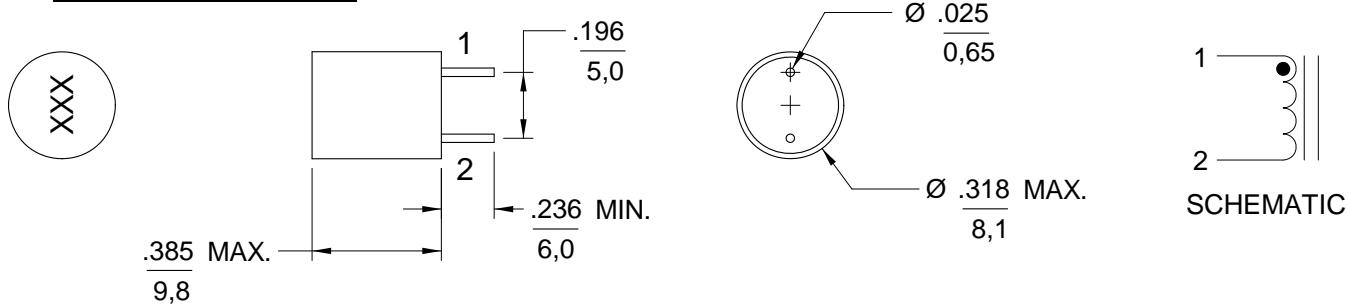


### ELECTRICAL SPECIFICATIONS AT 25°C

### OPERATING TEMPERATURE -20°C to +80°C

Part Number	Inductance ( $\mu$ H) @1kHz	Q Min.	Q Test Freq.	SRF (MHz) Ref.	DCR ( $\Omega$ ) Max.	Rated Current (A) Max. I sat	Rated Current (A) Max. I rms
DR366-1-102	1	10	7.96MHz	70	0.006	6.6	5.0
DR366-1-152	1.5	10	7.96MHz	56	0.008	5.4	4.3
DR366-1-222	2.2	10	7.96MHz	45	0.011	4.0	3.7
DR366-1-332	3.3	10	7.96MHz	36	0.018	3.6	2.9
DR366-1-472	4.7	10	7.96MHz	29	0.022	3.1	2.6
DR366-1-682	6.8	10	7.96MHz	24	0.028	2.5	2.3
DR366-1-103	10	20	2.52MHz	19	0.043	2.1	1.9
DR366-1-153	15	20	2.52MHz	15	0.056	1.7	1.6
DR366-1-223	22	20	2.52MHz	12	0.086	1.4	1.3
DR366-1-333	33	20	2.52MHz	9.4	0.14	1.1	1.0
DR366-1-473	47	20	2.52MHz	7.6	0.17	0.96	0.94
DR366-1-683	68	20	2.52MHz	6.2	0.28	0.79	0.73
DR366-1-104	100	20	796kHz	5.0	0.33	0.66	0.67
DR366-1-154	150	20	796kHz	4.0	0.56	0.53	0.52
DR366-1-224	220	20	796kHz	3.2	0.72	0.44	0.46
DR366-1-334	330	20	796kHz	2.5	1.1	0.36	0.37
DR366-1-474	470	20	796kHz	2.0	1.7	0.30	0.30
DR366-1-684	680	20	796kHz	1.7	2.3	0.25	0.26
DR366-1-105	1000	70	252kHz	1.3	4.3	0.20	0.19
DR366-1-155	1500	50	252kHz	1.3	5.0	0.17	0.16

### MECHANICAL OUTLINE



### NOTES:

- 1.) All dimensions are in inches/mm
- 2.) Tolerance: .012/0.3
- 3.) DR366-1-102 to DR366-1-682 inductance tolerance is  $\pm 20\%$ , DR366-1-103 to DR366-1-155 inductance tolerance is  $\pm 10\%$
- 4.) For non-RoHS parts, replace DR prefix with 42- (e.G. DR366-1-472 becomes 42-366-1-472)
- 5.) Terminal finish is compliant to RoHS requirements
- 6.) Isat is the current level when the inductance drops 20% from its initial value
- 7.) Irms is the current level when the part reaches a temperature rise of 25°C