



## DR366-2 Series Radial Leaded Shielded Inductors

### Features

- Height: 9.8mm Max
- Inductance Range: 2.2 $\mu$ H – 1.5mH
- Non-RoHS Versions are Available (Note 4)
- Meets UL 94V-0

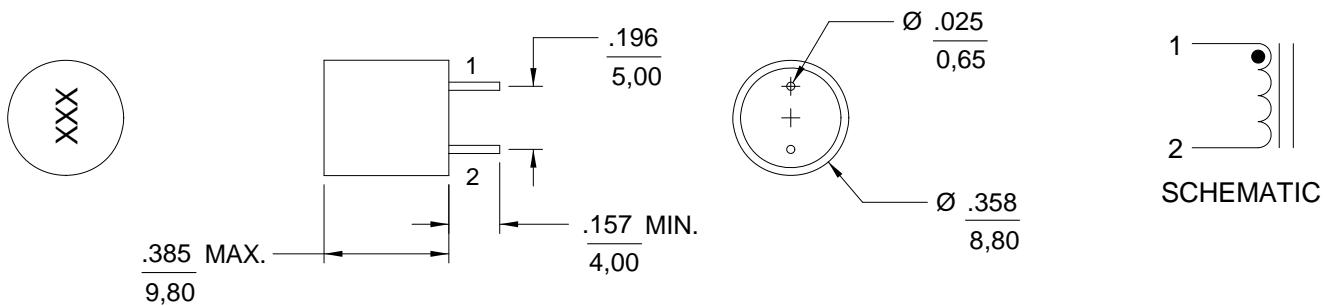


### ELECTRICAL SPECIFICATIONS AT 25°C

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

Part Number	Inductance ( $\mu$ H) @1kHz	Q Min.	Q Test Freq. 7.96MHz	SRF (MHz) Ref.	DCR ( $\Omega$ ) Max.	Rated Current (A) Max. I sat	Rated Current (A) Max. I rms
DR366-2-222	2.2	10	7.96MHz	60	0.011	5.50	4.00
DR366-2-332	3.3	10	7.96MHz	38	0.013	3.80	3.40
DR366-2-472	4.7	10	7.96MHz	30	0.017	3.70	3.00
DR366-2-682	6.8	10	7.96MHz	24	0.023	2.80	2.60
DR366-2-103	10	20	2.52MHz	19	0.031	2.50	2.20
DR366-2-153	15	20	2.52MHz	15	0.042	2.00	1.90
DR366-2-223	22	20	2.52MHz	12	0.07	1.60	1.50
DR366-2-333	33	20	2.52MHz	10	0.092	1.30	1.20
DR366-2-473	47	20	2.52MHz	8.2	0.13	1.10	1.00
DR366-2-683	68	20	2.52MHz	6.6	0.16	0.91	0.97
DR366-2-104	100	15	796kHz	5.4	0.23	0.75	0.81
DR366-2-154	150	15	796kHz	4.3	0.4	0.60	0.61
DR366-2-224	220	15	796kHz	3.5	0.53	0.50	0.53
DR366-2-334	330	15	796kHz	2.8	0.78	0.41	0.44
DR366-2-474	470	10	796kHz	2.3	1.0	0.34	0.39
DR366-2-684	680	10	796kHz	1.9	1.5	0.28	0.32
DR366-2-105	1000	20	252kHz	1.5	2.2	0.23	0.26
DR366-2-155	1500	30	252kHz	1.2	3.5	0.18	0.21

### MECHANICAL OUTLINE



### NOTES:

- 1.) All dimensions are in inches/mm
- 2.) Tolerance: .012/0.30
- 3.) DR366-2-222 to DR366-2-682 inductance tolerance is  $\pm 20\%$ , DR366-2-103 to DR366-2-155 inductance tolerance is  $\pm 10\%$
- 4.) For non-RoHS parts, replace DR prefix with 42- (e.G. DR366-2-473 becomes 42-366-2-473)
- 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