July 15, 2009

DATATRONIC
DISTRIBUTION, INC.

DR366-3 Series Radial Leaded Shielded Inductors

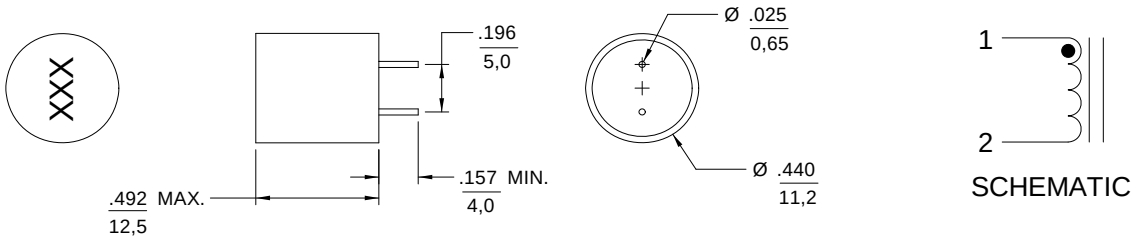
Features

- **Height: 12.5mm Max**
- **Inductance Range: 3.3µH – 15mH**
- **Non-RoHS Versions are Available (Note 4)**
- **Meets UL 94V-0**

ELECTRICAL SPECIFICATIONS AT 25ºC **OPERATING TEMPERATURE -20°C to +80°C**

Part Number	Inductance (µH) @1kHz	Q Min.	Q Test Freq.	SRF (MHz) Ref.	DCR (Ω) Max.	Rated Current (A) Max. I sat	Rated Current (A) Max. I rms
DR366-3-332	3.3	10	7.96MHz	36	0.01	8.80	5.90
DR366-3-472	4.7	10	7.96MHz	28	0.015	7.20	4.80
DR366-3-682	6.8	10	7.96MHz	18	0.016	6.10	4.60
DR366-3-103	10	20	2.52MHz	16	0.025	5.00	3.70
DR366-3-153	15	20	2.52MHz	12	0.029	4.20	3.40
DR366-3-223	22	20	2.52MHz	9.5	0.04	3.40	2.90
DR366-3-333	33	30	2.52MHz	7.0	0.062	2.80	2.30
DR366-3-473	47	30	2.52MHz	5.8	0.075	2.30	2.10
DR366-3-683	68	20	2.52MHz	4.7	0.13	1.90	1.60
DR366-3-104	100	20	796kHz	3.8	0.16	1.60	1.40
DR366-3-154	150	20	796kHz	3.1	0.26	1.30	1.10
DR366-3-224	220	20	796kHz	2.5	0.33	1.10	1.00
DR366-3-334	330	20	796kHz	2.0	0.52	0.88	0.82
DR366-3-474	470	10	796kHz	1.6	0.66	0.75	0.72
DR366-3-684	680	10	796kHz	1.3	1.10	0.61	0.56
DR366-3-105	1000	20	252kHz	1.1	1.40	0.51	0.50
DR366-3-155	1500	30	252kHz	0.82	2.40	0.43	0.38
DR366-3-225	2200	20	252kHz	0.76	3.20	0.35	0.33
DR366-3-335	3300	30	252kHz	0.64	4.90	0.28	0.26
DR366-3-475	4700	30	252kHz	0.54	7.60	0.24	0.21
DR366-3-685	6800	30	252kHz	0.45	9.80	0.20	0.18
DR366-3-106	10000	30	79.6kHz	0.38	18	0.17	0.14
DR366-3-156	15000	50	79.6kHz	0.29	24	0.13	0.12

MECHANICAL OUTLINE



NOTES:

1.) All dimensions are in inches/mm
2.) Tolerance: .012/0.30
3.) DR366-3-332 to DR366-3-153, inductance tolerance is ±20%,
DR366-3-223 to DR366-3-684, inductance tolerance is ±10%,
DR366-3-155 to DR366-3-156, inductance tolerance is ±5%
4.) For non-RoHs parts, replace DR prefix with 42- (e.G. DR366-3-683 becomes 42-366-3-683)
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

DATATRONIC: 28151 Highway 74, Romoland, CA 92585 Tel: 951-928-7700 Fax: 951-928-7701 Email: ddisales@datatronics.com
499 King's Road, Hong KongTel: (852) 2562 3858, (852) 2564 8477 Fax: (852) 2565 7214, (852) 2563 1290