

## Shielded, Radial Lead RF Chokes

### Special Features

- Ferrite shield for low radiation
- High Q
- High reliability, high efficiency
- Fixed lead spacing
- Operating temperature -55 to +105 °C

### Typical Applications

- Switch mode power supplies
- DC/DC converters
- Desktop, notebook computers, servers
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- Output chokes
- EMI filters

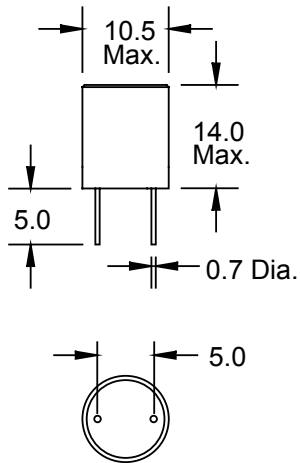
### Notes

- \* Rated current to cause 10 % max. inductance drop

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

RL181S Series						
Part Number	L (μH) ±5 % @ 1 KHz	Q (Min.) @ 50 KHz	SRF (MHz) Min.	DCR (Ω) Max.	I, DC* (mA)	Bourns Equivalent
RL181S-102J-RC	1000	70	0.77	3.4	90	
RL181S-122J-RC	1200	70	0.70	3.7	75	
RL181S-152J-RC	1500	70	0.64	4.0	70	
RL181S-182J-RC	1800	70	0.57	4.5	65	
RL181S-222J-RC	2200	70	0.51	5.2	60	
RL181S-272J-RC	2700	70	0.48	5.8	55	
RL181S-332J-RC	3300	100	0.44	6.1	50	
RL181S-392J-RC	3900	100	0.41	7.2	45	
RL181S-472J-RC	4700	100	0.38	7.5	40	
RL181S-562J-RC	5600	100	0.35	8.4	40	
RL181S-682J-RC	6800	100	0.32	9.7	35	
RL181S-822J-RC	8200	100	0.28	10.4	30	
RL181S-103J-RC	10,000	100	0.25	12.1	25	
RL181S-123J-RC	12,000	100	0.22	13.0	25	FSR1013
RL181S-153J-RC	15,000	100	0.22	15.0	22	
RL181S-183J-RC	18,000	100	0.19	17.0	21	
RL181S-223J-RC	22,000	100	0.19	19.5	20	
RL181S-273J-RC	27,000	100	0.16	22.0	18	
RL181S-333J-RC	33,000	100	0.16	26.0	17	
RL181S-363J-RC	36,000	100	0.14	27.0	16	
RL181S-393J-RC	39,000	100	0.12	45.0	15	
RL181S-473J-RC	47,000	100	0.12	52.0	13	
RL181S-563J-RC	56,000	100	0.12	58.0	12	
RL181S-683J-RC	68,000	100	0.09	67.0	11	
RL181S-823J-RC	82,000	100	0.09	71.0	10	
RL181S-104J-RC	100,000	100	0.09	82.0	9	
RL181S-124J-RC	120,000	100	0.09	97	8	

“-RC” suffix indicates RoHS compliance.



Dimensions: mm