



DRC-V Radial Leaded Wire Wound Inductor

Characteristics:

- Adopting ferrite core and enameled copper wire as the core materials, it features high energy storage and high saturation characteristics.
- Ultra-low DC resistance, excellent Q-factor and Self-Resonant Frequency (SRF)
- Wide inductance range (2.2 μ H ~ 47mH)
- 5 mm Lead Length
- Adopts heat-shrink tubing protected winding and complies with safety standards
- Cost-effective and economically practical
- Wide operating temperature range (-40 °C ~ +125 °C) with strong environmental adaptability
- Storage temperature range consistent with operating temperature (-40 °C ~ +125 °C), featuring relaxed storage conditions

Common Applications:

- LED/Motor Drivers
- Utility Meters
- Power Supplies/Modules
- DC/DC Converters
- Telecom Equipment
- Consumer Electronics
- Game Consoles
- Computer Peripherals
- Handheld Devices
- Output Chokes
- EMI/RFI Filters

Physical Propertie

Order Code	L(μ H)	Q Min.	Q Test Freq. (MHz)	RDC max. (Ω)	SRF Min.REF (MHz)	I _{rms} Typ.(A)	I _{sat} Typ.(A)
INF-DRC-V-2.2 μ H	2.2	20	7.96	0.021	100	5.6	6.5
INF-DRC-V-3.3 μ H	3.3	20	7.96	0.025	79	4.6	5.5
INF-DRC-V-6.8 μ H	6.8	20	7.96	0.035	29	3.65	3.70
INF-DRC-V-10 μ H	10	50	2.52	0.045	14	3.1	3.00
INF-DRC-V-12 μ H	12	50	2.52	0.05	13	2.9	2.70
INF-DRC-V-15 μ H	15	40	2.52	0.056	12	2.8	2.3
INF-DRC-V-18 μ H	18	40	2.52	0.061	11	2.6	2.2
INF-DRC-V-22 μ H	22	40	2.52	0.070	9.2	2.55	2.0
INF-DRC-V-27 μ H	27	30	2.52	0.08	8.5	2.5	1.7
INF-DRC-V-33 μ H	33	30	2.52	0.09	7.8	2.45	1.6
INF-DRC-V-39 μ H	39	30	2.52	0.1	6.9	2.4	1.50
INF-DRC-V-47 μ H	47	30	2.52	0.16	6.5	2.35	1.40
INF-DRC-V-56 μ H	56	30	2.52	0.18	5.4	1.75	1.30
INF-DRC-V-68 μ H	68	30	2.52	0.21	4.9	1.4	1.20
INF-DRC-V-82 μ H	82	30	2.52	0.23	4.1	1.35	1.10
INF-DRC-V-100 μ H	100	20	0.796	0.28	3.7	1.2	0.91
INF-DRC-V-120 μ H	120	20	0.796	0.32	3.4	1.05	0.84
INF-DRC-V-150 μ H	150	20	0.796	0.37	3.2	1.00	0.75
INF-DRC-V-180 μ H	180	20	0.796	0.58	2.8	0.75	0.69
INF-DRC-V-220 μ H	220	10	0.796	0.65	2.7	0.7	0.64
INF-DRC-V-270H	270	10	0.796	0.75	2.4	0.60	0.57

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INF-DRC-V-330μH	330	10	0.796	0.85	2.3	0.56	0.54
INF-DRC-V-390μH	390	10	0.796	1.00	2.1	0.5	0.48
INF-DRC-V-470μH	470	10	0.796	1.1	1.9	0.47	0.46
INF-DRC-V-560μH	560	10	0.796	1.4	1.8	0.45	0.41
INF-DRC-V-680μH	680	10	0.796	1.6	1.6	0.42	0.38
INF-DRC-V-820μH	820	10	0.796	1.80	1.5	0.41	0.35
INF-DRC-V-1000μH	1000	20	0.252	2.90	1.3	0.35	0.29
INF-DRC-V-1200μH	1200	20	0.252	4.0	1.1	0.3	0.13
INF-DRC-V-1500μH	1500	20	0.252	6.1	1.0	0.285	0.08
INF-DRC-V-1800μH	1800	20	0.252	6.4	1.0	0.27	0.08
INF-DRC-V-2200μH	2200	20	0.252	6.8	0.9	0.245	0.08
INF-DRC-V-2700μH	2700	20	0.252	7.7	0.9	0.23	0.08
INF-DRC-V-3300μH	3300	20	0.252	9.0	0.7	0.195	0.08
INF-DRC-V-3900μH	3900	20	0.252	14.0	0.6	0.185	0.08
INF-DRC-V-4700μH	4700	20	0.252	16.0	0.5	0.175	0.05
INF-DRC-V-5600μH	5600	20	0.252	18.0	0.4	0.145	0.05
INF-DRC-V-6800μH	6800	20	0.252	19.0	0.4	0.135	0.05
INF-DRC-V-8200μH	8200	20	0.2520	21.0	0.3	0.130	0.05
INF-DRC-V-10000μH	10000	30	0.0796	25.0	0.3	0.120	0.05
INF-DRC-V-12000μH	12000	30	0.0796	33.0	0.3	0.115	0.04
INF-DRC-V-15000μH	15000	30	0.0796	37.0	0.2	0.100	0.04
INF-DRC-V-18000μH	18000	30	0.0796	40.0	0.2	0.090	0.04
INF-DRC-V-22000μH	22000	30	0.0796	56.0	0.1	0.080	0.03
INF-DRC-V-27000μH	27000	30	0.0796	62.0	0.1	0.075	0.03
INF-DRC-V-33000μH	33000	30	0.0796	70.0	0.1	0.070	0.03
INF-DRC-V-39000μH	39000	30	0.0796	80.0	0.1	0.065	0.03
INF-DRC-V-47000μH	47000	20	0.0796	99.0	0.1	0.055	0.03

Technical Specifications

