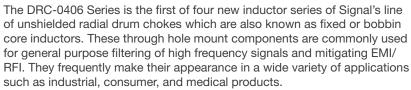


DRC-0406 Radial Coil Inductors



Utilizing the latest winding technology, copper windings and ferrite cores, Signal's DRC Series addresses the needs of modern filtering applications by providing the most effective electrical noise suppression via a combination of high impedance, large inductance, and elevated current capacity.



- Low cost
- Wide inductance range
- Small mounting space required
- Excellent characteristics for high Q
- Low DCR
- High current
- Tape packaging for auto-insertion

Specifications

- Inductance Range: 1.2 μH to 2200 μH
- Rated Current: It is either the inductance is 10% lower than its initial value in DC Saturation characteristics or temperature rise becomes $\Delta T = 20^{\circ}$ C (Ta = 20°C), whichever is lower.
- Operating Temperature Range: -20°C to +85°C
- Storage Temperature Range (component): -40°C to +125°C

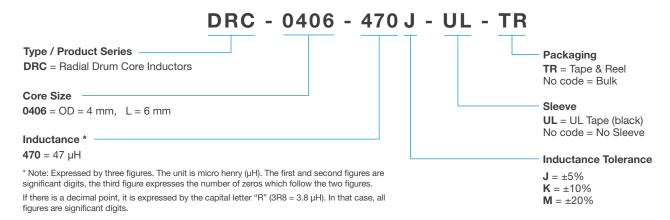
Applications

- TV and Audio equipment
- Telecommunication devices
- Personal computers
- Switching power supplies
- Other noise filters





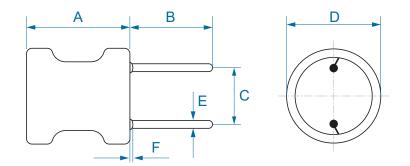
PRODUCT IDENTIFICATION



MECHANICAL SPECIFICATIONS

Dimensions are in mm.

	SERIES	Α	B Min	С	D Max	E ± 0.05
I	DRC-0406	8.0	15.0	2.0 ± 0.5	5.5	0.55







Custom versions available upon request.

128 Atlantic Avenue, Lynbrook, NY 11563 Toll Free 866-239-5777 | Tel 516-239-5777 | Fax 516-239-7208 sales@signaltransformer.com | techhelp@signaltransformer.com

belfuse.com/signal

ELECTRICAL SPECIFICATIONS

Electrical specifications for all part numbers measured at 25°C unless stated otherwise.

DRC-0406 SERIES

Part Number	L @ 1 kHz (μH)	Q Min.	Q Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current Max (mA)
DRC-0406-1R2J-UL	1.2	100	7.96	120	0.058	1950
DRC-0406-3R3J-UL	3.3	100	7.96	75	0.130	1500
DRC-0406-470J-UL	47	70	2.52	7.8	0.76	550
DRC-0406-101J-UL	100	45	0.796	6.0	1.0	400
DRC-0406-151J-UL	150	65	0.796	4.2	1.3	350
DRC-0406-331J-UL	330	50	0.796	2.2	2.2	250
DRC-0406-471J-UL	470	50	0.796	1.7	3.6	200
DRC-0406-681J-UL	680	50	0.796	1.3	4.6	170
DRC-0406-102J-UL	1000	90	0. 252	1.0	6.7	150
DRC-0406-152J-UL	1500	80	0.252	0.8	13	120
DRC-0406-222J-UL	2200	80	0.252	0.8	17	100

Characteristics

 I_{sat} (Saturation Current): The value of inductance decrease within 10% I_{rms} (Temperature Rise): The temperature of coil increases within 20°C.

Test equipment

L&Q: measured on HP 4285A or HP 4284A

DCR: measured on Chroma 16502 milli-ohm meter

SRF: HM 9461 L-SRF meter Electrical specifications at 25°C

Notice

There could be measurement deviations with different instruments due to different test principles / internal resistance. Open and Short compensation is performed before testing





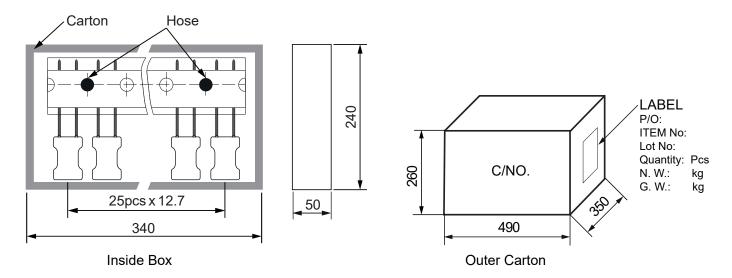
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PACKAGING SPECIFICATIONS

Dimension unit: mm



Series	Packaging Quantity (pcs)			
Series	Inside box	Outer carton		
DRC-0406	1000	10000		

• Storage Conditions

- a) Temperature and humidity conditions $< 35^{\circ}$ C and < 35 65 %
- b) Recommendations: Inductors should be used within 6 months from the time of delivery
- c) Packaging material should be kept away from where chlorine and sulfur exist



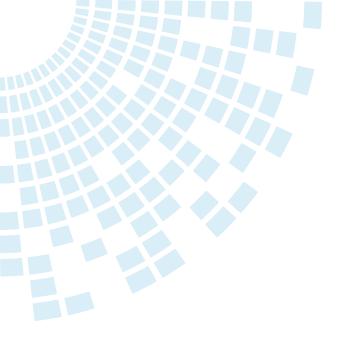




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About Signal Transformer

Signal Transformer is known as the world's leader of wire wound magnetic solutions since 1959. With over 50 years of experience manufacturing transformers, chokes, inductors and custom or modified standard products. Signal offers not only the most comprehensive line of certified standard power conversion products, with our vast engineering, manufacturing and regulatory resources; Signal Transformer excels in the design and manufacturer of cost effective, specialized platforms.



For more information, please contact us:

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