



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# RADIAL DRUM CORE POWER CHOKE

AIRD-02



RoHS  
Compliant



21.0 x φ21.0 mm

## FEATURES:

- Ferrite core with UL tube
- Wire wound construction
- High current, low DCR

## APPLICATIONS:

- Electronic Appliance
- Power Supplies
- TRIAC/SCR Control Circuits

## STANDARD SPECIFICATIONS

**Operating Temperature:** -25°C~ +85°C

**Storage Temperature:** -25°C~ +125°C

Part Number	Inductance	Tolerance	DCR (Max)	Saturation Current (Max)	Temperature Rise Current (Max)
Units	μH	%	Ω	A	A
Symbol	L	K, M	DCR	Isat*	Irms*
AIRD-02-1R0	1.0	K, M	0.003	108	11.4
AIRD-02-1R2	1.2	K, M	0.003	108	11.4
AIRD-02-1R5	1.5	K, M	0.003	83	11.4
AIRD-02-1R8	1.8	K, M	0.003	68	11.4
AIRD-02-2R2	2.2	K, M	0.004	68	11.4
AIRD-02-2R7	2.7	K, M	0.005	58	11.4
AIRD-02-3R3	3.3	K, M	0.005	58	11.4
AIRD-02-3R9	3.9	K, M	0.005	50	11.4
AIRD-02-4R7	4.7	K, M	0.005	50	11.4
AIRD-02-5R6	5.6	K, M	0.006	44	11.4
AIRD-02-6R8	6.8	K, M	0.007	39	11.4
AIRD-02-8R2	8.2	K, M	0.007	36	11.4
AIRD-02-100	10	K	0.009	30	11.4
AIRD-02-120	12	K	0.009	27	11.4
AIRD-02-150	15	K	0.013	25	9.0
AIRD-02-180	18	K	0.018	22	7.2
AIRD-02-220	22	K	0.019	21	7.2
AIRD-02-270	27	K	0.026	20	5.5
AIRD-02-330	33	K	0.029	18	5.5
AIRD-02-390	39	K	0.030	17	5.5
AIRD-02-470	47	K	0.035	15	5.5
AIRD-02-560	56	K	0.039	13	5.5
AIRD-02-680	68	K	0.053	12	4.8
AIRD-02-820	82	K	0.060	11	4.8
AIRD-02-101	100	K	0.080	10	4.0
AIRD-02-121	120	K	0.090	9.4	4.0
AIRD-02-151	150	K	0.098	8.6	4.0
AIRD-02-181	180	K	0.110	7.8	4.0
AIRD-02-221	220	K	0.150	7.0	2.8
AIRD-02-271	270	K	0.213	6.3	2.0
AIRD-02-331	330	K	0.305	5.2	1.6
AIRD-02-391	390	K	0.320	4.9	1.6
AIRD-02-471	470	K	0.355	4.5	1.6
AIRD-02-561	560	K	0.388	4.1	1.6
AIRD-02-681	680	K	0.430	3.7	1.6
AIRD-02-821	820	K	0.590	3.4	1.3
AIRD-02-102	1000	K	0.818	3.1	1.0
AIRD-02-122	1200	K	1.140	2.7	0.8
AIRD-02-152	1500	K	1.260	2.4	0.8
AIRD-02-182	1800	K	1.390	2.2	0.8
AIRD-02-222	2200	K	1.540	2.0	0.8

### Test Conditions and equipments

Test frequency: 1KHz, 0.1Vrms

DCR: QuadTech Milliohmmeter

Isat: 10% inductance drops from initial value

Irms: ΔT of 40°C temperature rise max

ABRACON IS  
ISO 9001:2008  
CERTIFIED



**ABRACON**  
CORPORATION

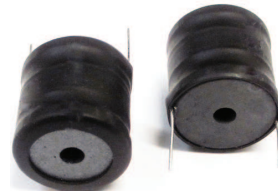
Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale **Revised: 07.31.12**  
30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

# RADIAL DRUM CORE POWER CHOKE

AIRD-02



RoHS  
Compliant



21.0 x  $\phi$ 21.0 mm

## PART NUMBER IDENTIFICATION

AIRD-02-

\*1.0 ~ 8.2 $\mu$ H: K and M  
10 ~ 2200 $\mu$ H: K only

### Inductance Code

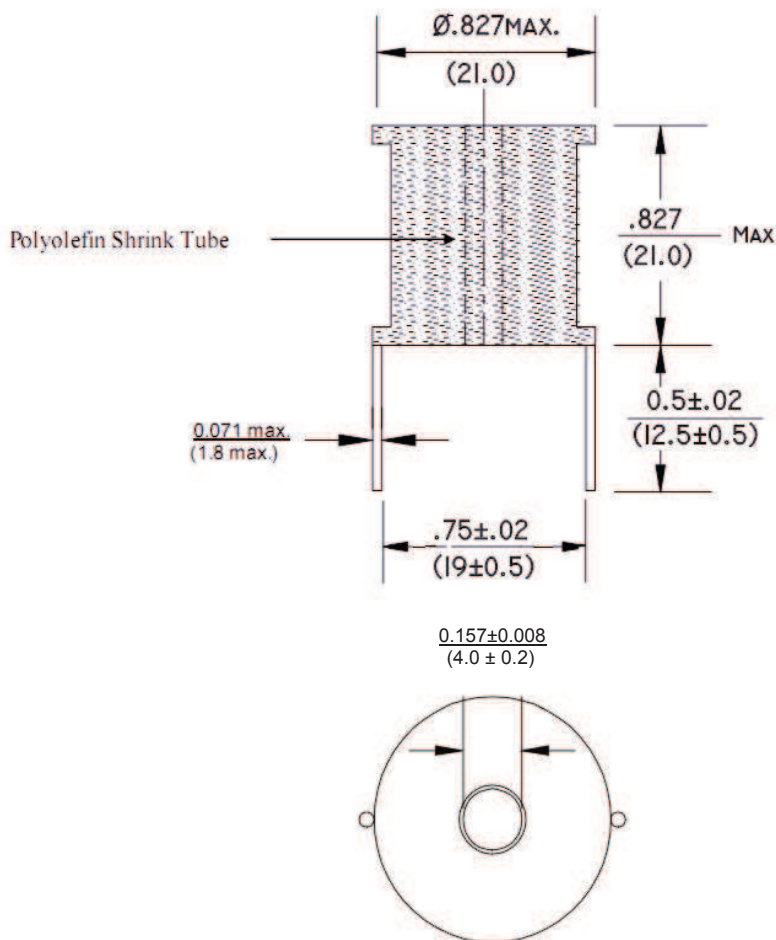
Please refer to the  
Electrical Spec Table

### Tolerance

M:  $\pm 20\%^*$

K:  $\pm 10\%^*$

## OUTLINE DIMENSION:



Dimension: inch (mm)

**ATTENTION:** Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS  
ISO 9001:2008  
CERTIFIED



Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale **Revised: 07.31.12**  
30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)