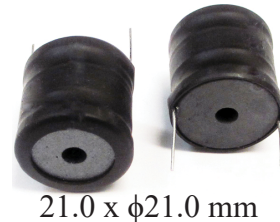


RADIAL DRUM CORE POWER CHOKE

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: -40°C ~ +125°C (including self-heat)

Storage Temperature: -40°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, N	DCR	Isat*	Irms*
AIRD-02-1R0	1.0	N	0.003	108	11.4
AIRD-02-1R2	1.2	N	0.003	108	11.4
AIRD-02-1R5	1.5	N	0.003	83	11.4
AIRD-02-1R8	1.8	N	0.003	68	11.4
AIRD-02-2R2	2.2	N	0.004	68	11.4
AIRD-02-2R7	2.7	N	0.005	58	11.4
AIRD-02-3R3	3.3	M	0.005	58	11.4
AIRD-02-3R9	3.9	M	0.005	50	11.4
AIRD-02-4R7	4.7	M	0.005	50	11.4
AIRD-02-5R6	5.6	M	0.006	44	11.4
AIRD-02-6R8	6.8	M	0.007	39	11.4
AIRD-02-8R2	8.2	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, 0.25Vrms

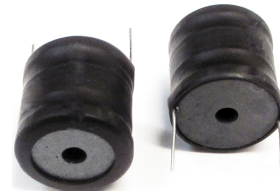
Irms: ΔT of 40°C temperature rise max

RADIAL DRUM CORE POWER CHOKES

AIRD-02



RoHS
Compliant



21.0 x ϕ 21.0 mm

PART NUMBER IDENTIFICATION

AIRD-02-

Inductance Code

Please refer to the
Electrical Spec Table

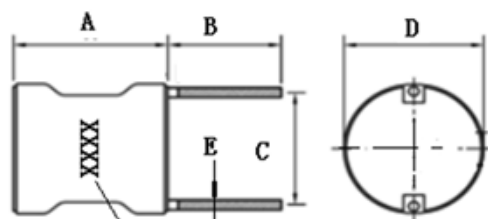
Tolerance

N: $\pm 30\%$

M: $\pm 20\%$

K: $\pm 10\%$

MECHANICAL DIMENSIONS



Inductance Code

e.g. 8R2M

681K

A	B	C	D	E
21.0 (max)	12.5 $\pm$ 1	19.0 $\pm$ 1	21.0 (max)	1.8 (max)

Dimension: inch (mm)

Packaging (50 Pcs/Box)

ATTENTION: Abracon LLC'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-dependent 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 LLC is required. Please contact Abracon LLC for more information.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 8-2-21

ABRACON IS
ISO9001-2015
CERTIFIED

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON:](#)

[AIRD-02-1R0M](#) [AIRD-02-1R2M](#) [AIRD-02-1R5M](#) [AIRD-02-1R8M](#) [AIRD-02-2R2M](#) [AIRD-02-2R7M](#) [AIRD-02-1R8K](#)
[AIRD-02-3R3K](#)