



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!



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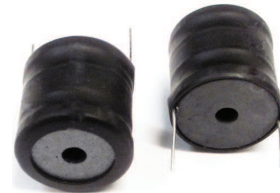


RADIAL DRUM CORE POWER CHOKE

AIRD-03



RoHS
Compliant



21.0 x ϕ 28.0 mm

FEATURES:

- Ferrite core with UL tube
- Wire wound construction
- High current rated, 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	μ H	%	Ω	A	A
Symbol	L	K, M	DCR	Isat*	Irms*
AIRD-03-1R0	1.0	K, M	0.003	116	21
AIRD-03-1R2	1.2	K, M	0.003	116	21
AIRD-03-1R5	1.5	K, M	0.003	116	21
AIRD-03-1R8	1.8	K, M	0.003	90	21
AIRD-03-2R2	2.2	K, M	0.003	90	21
AIRD-03-2R7	2.7	K, M	0.003	74	21
AIRD-03-3R3	3.3	K, M	0.003	74	21
AIRD-03-3R9	3.9	K, M	0.003	62	21
AIRD-03-4R7	4.7	K, M	0.003	54	21
AIRD-03-5R6	5.6	K, M	0.003	54	21
AIRD-03-6R8	6.8	K, M	0.004	47	21
AIRD-03-8R2	8.2	K, M	0.004	42	21
AIRD-03-100	10	K	0.006	38	17
AIRD-03-120	12	K	0.008	35	13.5
AIRD-03-150	15	K	0.009	32	13.5
AIRD-03-180	18	K	0.010	29	13.5
AIRD-03-220	22	K	0.011	25	13.5
AIRD-03-270	27	K	0.012	23	13.5
AIRD-03-330	33	K	0.017	20	13.5
AIRD-03-390	39	K	0.022	19	11.4
AIRD-03-470	47	K	0.024	19	9.0
AIRD-03-560	56	K	0.026	17	9.0
AIRD-03-680	68	K	0.029	15	9.0
AIRD-03-820	82	K	0.032	14	9.0
AIRD-03-101	100	K	0.034	13	9.0
AIRD-03-121	120	K	0.046	12	7.2
AIRD-03-151	150	K	0.064	10	5.5
AIRD-03-181	180	K	0.072	9.7	5.5
AIRD-03-221	220	K	0.080	8.7	5.5
AIRD-03-271	270	K	0.110	7.9	4.5
AIRD-03-331	330	K	0.122	7.1	4.5
AIRD-03-391	390	K	0.169	6.7	4.0
AIRD-03-471	470	K	0.187	6.0	4.0
AIRD-03-561	560	K	0.210	5.5	4.0
AIRD-03-681	680	K	0.256	5.0	2.8
AIRD-03-821	820	K	0.320	4.5	2.0
AIRD-03-102	1000	K	0.426	4.1	2.0
AIRD-03-122	1200	K	0.462	3.7	2.0
AIRD-03-152	1500	K	0.518	3.4	2.0
AIRD-03-182	1800	K	0.705	2.8	1.6
AIRD-03-222	2200	K	1.020	2.5	1.3

ABRACON IS
ISO 9001:2008
CERTIFIED



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CORPORATION

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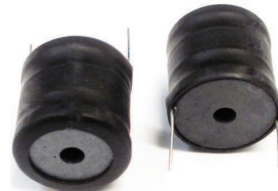
Revised: 07.31.12

RADIAL DRUM CORE POWER CHOKE

AIRD-03



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Compliant



21.0 x ϕ 28.0 mm

Key Electrical Specifications (Con'd)

Part Number	Inductance	Tolerance	DCR (Max)	Saturation Current (Max)	Temperature Rise Current (Max)
Units	μ H	%	Ω	A	A
Symbol	L	K, M	DCR	Isat*	Irms*
AIRD-03-272	2700	K	1.140	2.3	1.3
AIRD-03-332	3300	K	1.270	2.0	1.3
AIRD-03-392	3900	K	1.670	1.8	1.0
AIRD-03-472	4700	K	1.860	1.7	1.0
AIRD-03-193	19000	K	9.00	1.0	0.5

Test Conditions and equipments

Test frequency: 1Hz, 0.1Vrms

DCR: QuadTech Milliohmmeter

Isat: 10% inductance drops from initial value

Irms Δ T of 40°C temperature rise max

PART NUMBER IDENTIFICATION

AIRD-03-

Inductance Code

Please refer to the
Electrical Spec Table

Tolerance

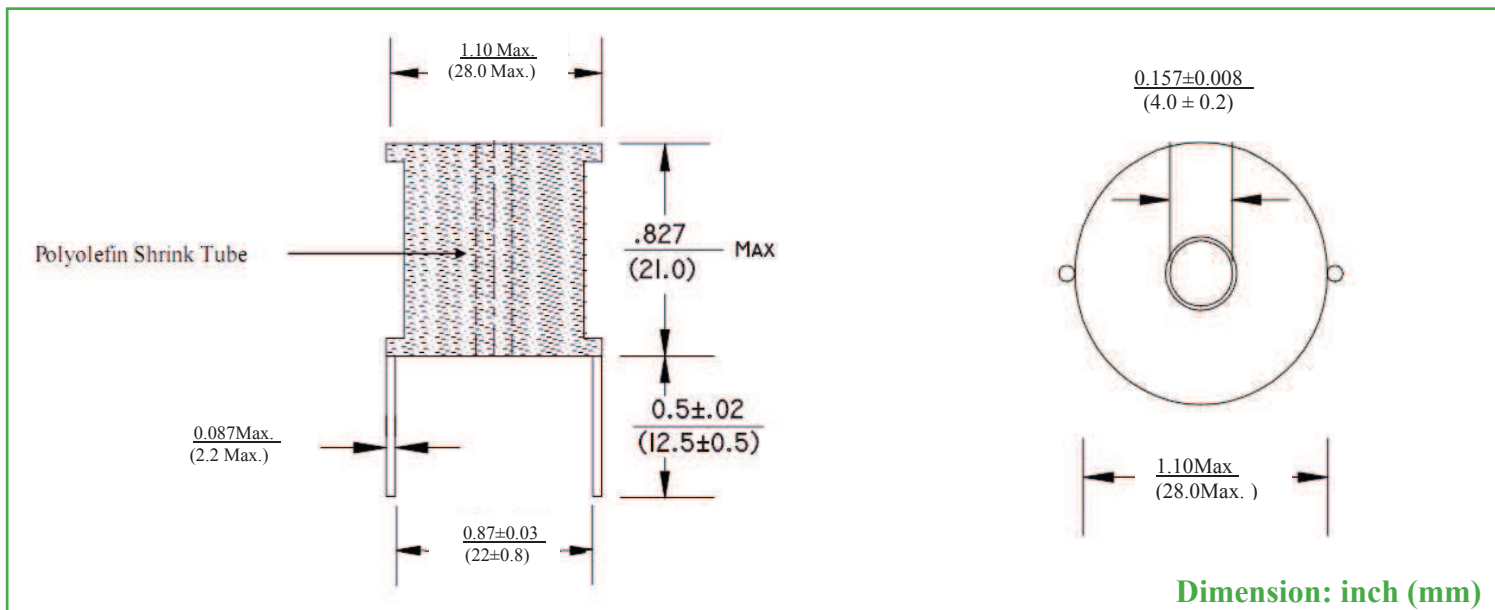
M: $\pm 20\%^*$

K: $\pm 10\%^*$

*M for L = 1.0 ~ 8.2 μ H

K for L = 1.0 ~ 19,000 μ H

OUTLINE DIMENSION:



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