

AIUR-04-822J Datasheet



DiGi Electronics Part Number	AIUR-04-822J-DG
Manufacturer	Abracon LLC
Manufacturer Product Number	AIUR-04-822J
Description	FIXED IND 8.2MH 50MA 26 OHM TH
Detailed Description	8.2 mH Unshielded Drum Core, Wirewound Inductor 50 mA 26Ohm Max Radial, Vertical Cylinder



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Purchase and inquiry

Manufacturer Product Number:

AIUR-04-822J

Series:

AIUR-04

Type:

Drum Core, Wirewound

Inductance:

8.2 mH

Current Rating (Amps):

50 mA

Shielding:

Unshielded

Q @ Freq:

40 @ 252kHz

Ratings:

-

Inductance Frequency - Test:

252 kHz

Package / Case:

Radial, Vertical Cylinder

Size / Dimension:

0.335" Dia (8.50mm)

Manufacturer:

Abracon LLC

Product Status:

Active

Material - Core:

Ferrite

Tolerance:

±5%

Current - Saturation (Isat):

50mA

DC Resistance (DCR):

260hm Max

Frequency - Self Resonant:

500kHz

Operating Temperature:

-25°C ~ 85°C

Mounting Type:

Through Hole

Supplier Device Package:

-

Height - Seated (Max):

0.441" (11.20mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.50.4000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

Unshielded Radial Power Inductor

AIUR-04 Series

 RoHS/RoHS II Compliant
11.2 x ϕ 8.5 mm

FEATURES:

- Ferrite core with heat shrink tube
- High Reliability

APPLICATIONS:

- Switching Power Supplies
- Noise Filtering
- DC to DC Converters
- Electronic Household Appliances
- Buzzers and Alarm Systems
- Television and Audio Equipment

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	AIUR-04 Series
Operating temperature:	-25°C to + 85°C
Storage temperature:	-25°C to + 125°C

Part Number	Inductance	Tolerance	Q (Typ)	Test Frequency	DCR (Max)	Saturation Current (Max)	Temperature Rise Current (Max)	SRF (Min)	Inductance Code
Units	μ H	%		kHz	Ω	mA	mA	MHz	
Symbol	L	J			DCR	Isat	I _{DC}		
AIUR-04-101	100	J	30	796	2	200	200	5.3	101J
AIUR-04-121	120	J	30	796	2	200	200	4.5	121J
AIUR-04-151	150	J	30	796	2	200	200	3.8	151J
AIUR-04-181	180	J	30	796	3	200	200	3.3	181J
AIUR-04-221	220	J	30	796	3	200	200	2.9	221J
AIUR-04-271	270	J	30	796	3	200	200	2.6	271J
AIUR-04-331	330	J	30	796	4	200	200	2.3	331J
AIUR-04-391	390	J	30	796	4	200	200	2.1	391J
AIUR-04-471	470	J	30	796	4	200	200	1.9	471J
AIUR-04-561	560	J	30	796	4	200	200	1.7	561J
AIUR-04-681	680	J	30	796	4	200	200	1.6	681J
AIUR-04-821	820	J	30	796	6	200	200	1.4	821J
AIUR-04-102	1000	J	40	252	6	150	150	1.3	102J
AIUR-04-122	1200	J	40	252	9	150	150	1.2	122J
AIUR-04-152	1500	J	40	252	9	150	150	1.1	152J
AIUR-04-182	1800	J	40	252	9	100	100	1.0	182J
AIUR-04-222	2200	J	40	252	13	100	100	0.9	222J
AIUR-04-272	2700	J	40	252	13	100	100	0.8	272J
AIUR-04-332	3300	J	40	252	13	100	100	0.7	332J
AIUR-04-392	3900	J	40	252	13	50	50	0.7	392J
AIUR-04-472	4700	J	40	252	18	50	50	0.6	472J
AIUR-04-562	5600	J	40	252	18	50	50	0.6	562J
AIUR-04-682	6800	J	40	252	26	50	50	0.5	682J
AIUR-04-822	8200	J	40	252	26	50	50	0.5	822J
AIUR-04-103	10000	J	40	79.6	40	40	40	0.4	103J
AIUR-04-123	12000	J	40	79.6	40	40	40	0.4	123J
AIUR-04-153	15000	J	40	79.6	60	40	40	0.4	153J
AIUR-04-183	18000	J	40	79.6	60	30	30	0.3	183J
AIUR-04-223	22000	J	40	79.6	80	30	30	0.3	223J
AIUR-04-273	27000	J	40	79.6	80	30	30	0.3	273J

Test Conditions and equipments

DCR: QuadTech Milliohmmeter

Isat: 10% inductance drops from initial value

I_{DC}: The DC current at which the temperature rise is 40°C max

Unshielded Radial Power Inductor



11.2 x ϕ 8.5 mm

AIUR-04 Series

RoHS/RoHS II Compliant

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

Packing (200pcs / box)

AIUR-04-

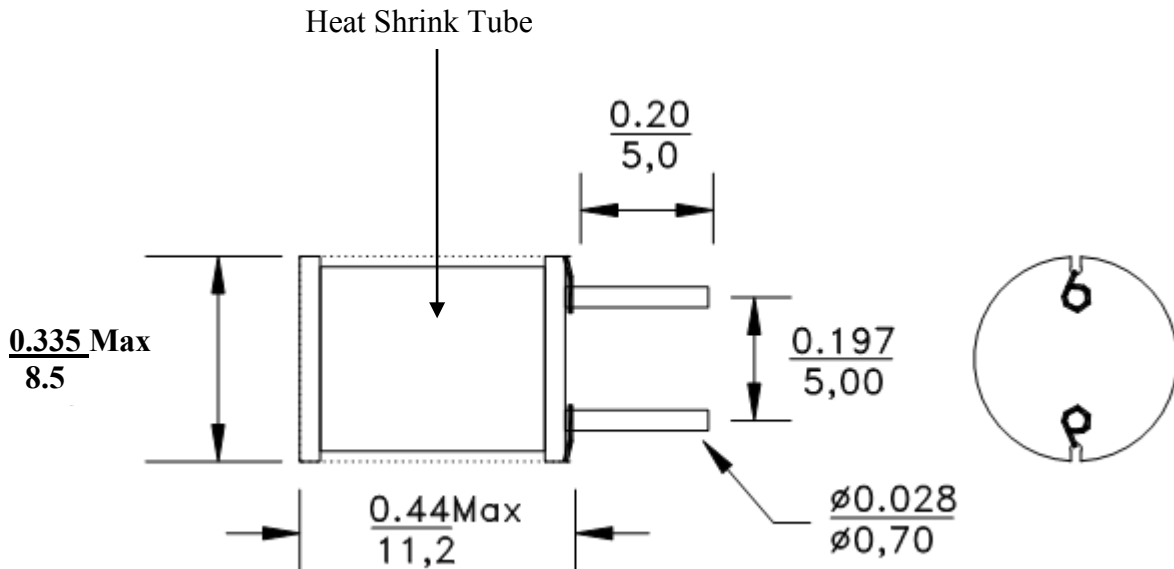
Inductance Code

Please refer to the Electrical Spec Table

Tolerance

J: \pm 5%

OUTLINE DRAWING:



Dimension: inch/mm

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