

Fixed Conformal Coated

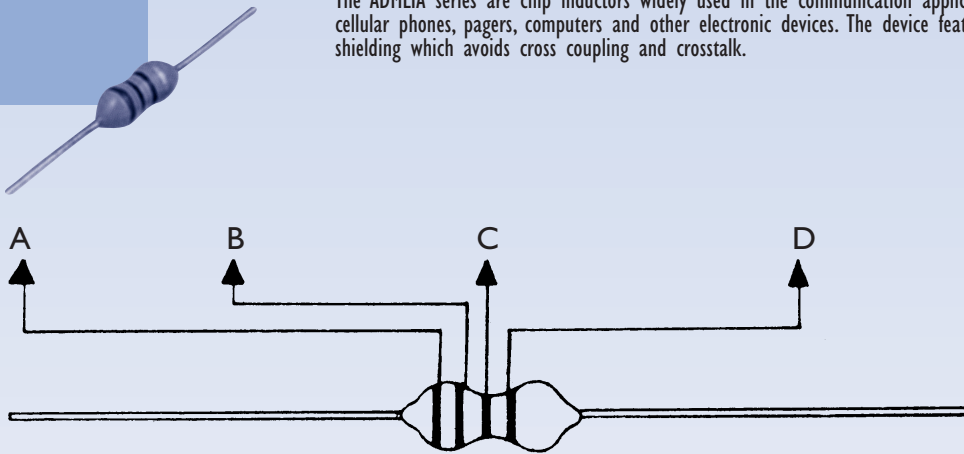
Axial Leaded Thru Hole

ADFIA Series

ADFIA

OUTER COATING

The ADMLIA series are chip inductors widely used in the communication applications such as cellular phones, pagers, computers and other electronic devices. The device features in magnetic shielding which avoids cross coupling and crosstalk.



PART NUMBERING GUIDE

ADFIA □ - 2870 - 4R7K - T

PACKAGE TYPE: □
 DIMENSION: 2870
 NOMINAL INDUCTANCE: 4R7K
 NOMINAL INDUCTANCE TOLERANCE: T

DELIVERY FORM:
 B = BULK
 T = TAPE & REEL
 A = AMMO-PACK

H = $\pm 2.5\%$
 J = $\pm 5\%$
 K = $\pm 10\%$
 M = $\pm 20\%$

MARKING CODE

COLOR	NOMINAL INDUCTANCE (μ H) First Figure (A)	NOMINAL INDUCTANCE (μ H) Second Figure (B)	NOMINAL INDUCTANCE (μ H) Multiplier (C)	NOMINAL INDUCTANCE (μ H) Tolerance (%) (D)
Gold	-	-	0.1	± 5
Silver	-	-	0.01	± 10
Clear	-	-	-	-
Black	0	0	1	± 20
Brown	1	1	10	-
Red	2	2	100	-
Orange	3	3	1000	-
Yellow	4	4	-	-
Green	5	5	-	-
Blue	6	6	-	-
Violet	7	7	-	-
Grey	8	8	-	-
White	9	9	-	± 2.5

XTAL

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND

INDUCTORS

Fixed Conformal Coated

Axial Leaded Thru Hole

ADIVA Series

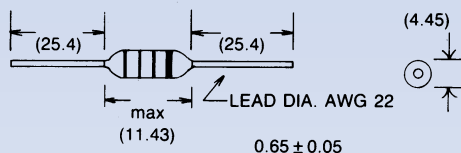


ADFIA-451 I

FEATURES

- High reliability.
- Switch power supply.
- Application for cordless-phone, answering machine.

UNIT DIMENSION (unit: mm)



BENEFITS

Temperature Rise	20°C
Ambient Temperature	80°C
Operating Temperature Range	-20°C to +80°C
Rated Voltage	250V DC
Terminal Tensile Strength	2.5 Kg min.
Terminal Bending Strength	0.5 Kg min.

ADFIA-451 I SERIES STANDARD SPECIFICATIONS

ORDERING CODE	INDUCTANCE (uH)	Q min.	TEST FREQUENCY (MHz)	SELF-RESONANT FREQUENCY (MHz) min.	DC RESISTANCE (ohm) max.	RATED DC CURRENT (mA) max.
ADFIA-451 I-R56 □T	0.56 ±20%	50	25.2	280	0.14	1150
ADFIA-451 I-R68 □T	0.68 ±20%	50	25.2	250	0.15	1100
ADFIA-451 I-R82 □T	0.82 ±20%	50	25.2	220	0.22	900
ADFIA-451 I-1R0 □T	1.0 ±20%	50	25.2	200	0.29	785
ADFIA-451 I-1R2 □T	1.2 ±20%	33	7.96	180	0.42	650
ADFIA-451 I-1R5 □T	1.5 ±10%	33	7.96	160	0.5	600
ADFIA-451 I-1R8 □T	1.8 ±10%	33	7.96	150	0.65	525
ADFIA-451 I-2R2 □T	2.2 ±10%	33	7.96	120	0.95	435
ADFIA-451 I-2R7 □T	2.7 ±10%	33	7.96	100	1.5	385
ADFIA-451 I-3R3 □T	3.3 ±10%	33	7.96	90	2.0	300
ADFIA-451 I-3R9 □T	3.9 ±10%	33	7.96	82	2.3	280
ADFIA-451 I-4R7 □T	4.7 ±10%	33	7.96	0	2.8	260
ADFIA-451 I-5R6 □T	5.6 ±10%, ±5%	45	7.96	60	3.7	495
ADFIA-451 I-6R8 □T	6.8 ±10%, ±5%	45	7.96	52	4.1	395
ADFIA-451 I-8R2 □T	8.2 ±10%, ±5%	45	7.96	46	5.0	360
ADFIA-451 I-100 □T	10.0 ±10%, ±5%	45	7.96	40	5.8	290
ADFIA-451 I-120 □T	12.0 ±10%, ±5%	50	2.52	37	7.0	265
ADFIA-451 I-150 □T	15 ±10%, ±5%	50	2.52	34	8.0	240
ADFIA-451 I-180 □T	18 ±10%, ±5%	45	2.52	31	9.5	165
ADFIA-451 I-220 □T	22 ±10%, ±5%	45	2.52	26	10.3	175
ADFIA-451 I-270 □T	27 ±10%, ±5%	40	2.52	23	11.0	170
ADFIA-451 I-330 □T	33 ±10%, ±5%	40	2.52	14	13.0	165
ADFIA-451 I-470 □T	47 ±10%, ±5%	40	2.52	12	15.5	165
ADFIA-451 I-560 □T	56 ±10%, ±5%	45	2.52	10	16.8	164
ADFIA-451 I-820 □T	82 ±10%, ±5%	45	2.52	7.2	18.5	143
ADFIA-451 I-101 □T	100 ±10%, ±5%	45	2.52	6.5	21.0	133
ADFIA-451 I-121 □T	120 ±10%, ±5%	50	0.796	5.8	22.5	124
ADFIA-451 I-151 □T	150 ±10%, ±5%	35	0.796	5.5	24.5	114
ADFIA-451 I-181 □T	180 ±10%, ±5%	35	0.796	5.0	27.5	108
ADFIA-451 I-221 □T	220 ±10%, ±5%	35	0.796	4.7	30.0	103
ADFIA-451 I-271 □T	270 ±10%, ±5%	35	0.796	4.2	33.0	103
ADFIA-451 I-331 □T	330 ±10%, ±5%	35	0.796	3.8	36.0	102
ADFIA-451 I-391 □T	390 ±10%, ±5%	35	0.796	3.5	38.0	102
ADFIA-451 I-471 □T	470 ±10%, ±5%	35	0.796	3.2	40.0	100
ADFIA-451 I-561 □T	560 ±10%, ±2.5%	35	0.796	2.9	42.5	85
ADFIA-451 I-681 □T	680 ±10%, ±2.5%	35	0.796	2.6	45.0	81
ADFIA-451 I-821 □T	820 ±10%, ±2.5%	35	0.796	2.0	48.0	78
ADFIA-451 I-981 □T	980 ±10%, ±2.5%	25	0.796	1.8	50.0	75
ADFIA-451 I-102 □T	1000 ±10%, ±2.5%	25	0.796	1.7	51.5	69
ADFIA-451 I-142 □T	1400 ±10%, ±2.5%	25	0.252	0.92	70.0	65
ADFIA-451 I-302 □T	1300 ±10%, ±2.5%	25	0.252	0.61	100.0	52

Inductance Tolerance: □ M±20%, K±10%, J±5%, H±2.5%.