

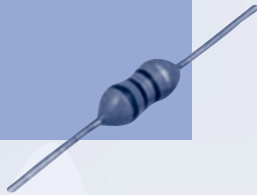
# Fixed Conformal Coated

Axial Leaded Thru Hole

ADFIA Series

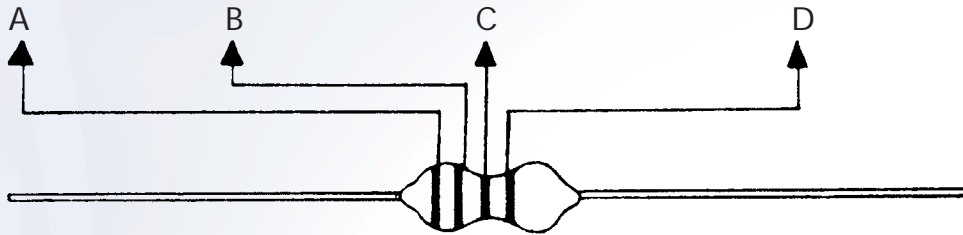


## ADFIA

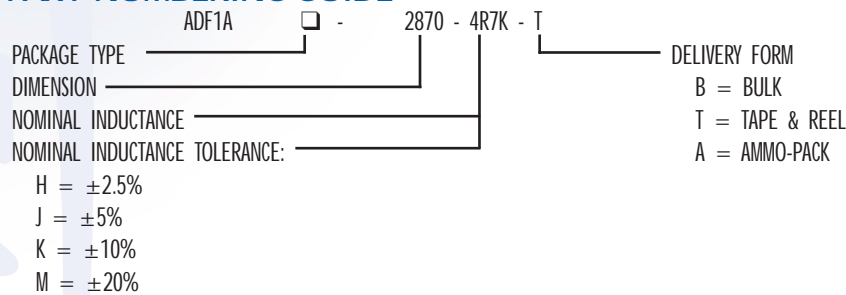


### OUTER COATING

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



### MARKING CODE

COLOR	NOMINAL INDUCTANCE (uH) First Figure (A)	NOMINAL INDUCTANCE (uH) Second Figure (B)	NOMINAL INDUCTANCE (uH) Multiplier (C)	NOMINAL INDUCTANCE (uH) 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

# Fixed Conformal Coated

Axial Leaded Thru Hole

ADFIA Series

## ADFIA-4295



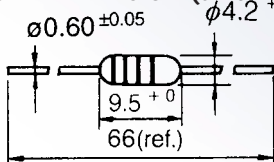
### FEATURES

- Special lead wire construction, eliminating all deficiencies of the conventional axial lead type, prevents open circuit failures.
- Special magnetic core construction provides high Q and SRF.
- Application of moisture-resistant ensures long life.

### BENEFITS

Temperature Rise	20°C
Ambient Temperature	80°C
Operating Temperature Range	-20°C to 100°C
Rated Voltage	250V DC
Terminal Tensile Strength	3.5 Kg min.
Terminal Bending Strength	0.5 Kg min.

### UNIT DIMENSION (unit: mm)



## ADFIA-4295 SERIES STANDARD SPECIFICATIONS

ORDERING CODE	INDUCTANCE (μH)	Q min.	TEST FREQUENCY (MHz)	SELF-RESONANT	DC	RATED DC
				FREQUENCY (MHz)	RESISTANCE (ohm)	CURRENT (mA)
				min.	max.	max.
ADFIA-4295-R22 □T	0.22 ±20%, ±10%	30	25.2	285	0.24	810
ADFIA-4295-R27 □T	0.27 ±20%, ±10%	30	25.2	255	0.26	765
ADFIA-4295-R33 □T	0.33 ±20%, ±10%	30	25.2	225	0.30	720
ADFIA-4295-R39 □T	0.39 ±20%, ±10%	30	25.2	210	0.35	650
ADFIA-4295-R47 □T	0.47 ±20%, ±10%	30	25.2	190	0.41	630
ADFIA-4295-R56 □T	0.56 ±20%, ±10%	30	25.2	172	0.45	580
ADFIA-4295-R68 □T	0.68 ±20%, ±10%	30	25.2	157	0.50	530
ADFIA-4295-R82 □T	0.82 ±20%, ±10%	45	25.2	140	0.55	520
ADFIA-4295-1R0 □T	1.0 ±10%, ±5%	45	25.2	120	0.57	500
ADFIA-4295-1R2 □T	1.2 ±10%, ±5%	50	7.96	110	0.60	480
ADFIA-4295-1R5 □T	1.5 ±10%, ±5%	50	7.96	95	0.65	460
ADFIA-4295-1R8 □T	1.8 ±10%, ±5%	50	7.96	90	0.68	450
ADFIA-4295-2R2 □T	2.2 ±10%, ±5%	50	7.96	80	0.70	430
ADFIA-4295-2R7 □T	2.7 ±10%, ±5%	50	7.96	75	0.75	410
ADFIA-4295-3R3 □T	3.3 ±10%, ±5%	50	7.96	70	0.8	390
ADFIA-4295-3R9 □T	3.9 ±10%, ±5%	50	7.96	62	0.81	380
ADFIA-4295-4R7 □T	4.7 ±10%, ±5%	50	7.96	55	0.83	360
ADFIA-4295-5R6 □T	5.6 ±10%, ±5%	50	7.96	50	0.9	340
ADFIA-4295-6R8 □T	6.8 ±10%, ±5%	50	7.96	45	0.95	320
ADFIA-4295-8R2 □T	8.2 ±10%, ±5%	55	7.96	40	1.0	310
ADFIA-4295-100 □T	10 ±10%, ±5%	55	7.96	36	1.15	290
ADFIA-4295-120 □T	12 ±10%, ±5%	55	2.52	30	1.3	280
ADFIA-4295-150 □T	15 ±10%, ±5%	55	2.52	22	1.4	270
ADFIA-4295-180 □T	18 ±10%, ±5%	55	2.52	12	1.5	250
ADFIA-4295-220 □T	22 ±10%, ±5%	55	2.52	8	1.6	240

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

XTAL

OSC

VCXO  
VCO

TCXO  
VCTCXO

FLTR

RES

IND

# Fixed Conformal Coated

Axial Leaded Thru Hole ADFIA Series — Continued



## ADFIA-4295 SERIES STANDARD SPECIFICATIONS

ORDERING CODE	INDUCTANCE ( $\mu$ H)	Q min.	TEST FREQUENCY (MHz)	SELF-RESONANT	DC RESISTANCE (ohm)	RATED DC CURRENT (mA)
				FREQUENCY (MHz) min.		
ADFIA-4295-270 □T	27 $\pm$ 10%, $\pm$ 5%	50	2.52	6.8	1.72	230
ADFIA-4295-330 □T	33 $\pm$ 10%, $\pm$ 5%	50	2.52	5.3	1.8	220
ADFIA-4295-390 □T	39 $\pm$ 10%, $\pm$ 5%	50	2.52	4.7	1.9	210
ADFIA-4295-470 □T	47 $\pm$ 10%, $\pm$ 5%	40	2.52	4.5	2.0	200
ADFIA-4295-560 □T	56 $\pm$ 10%, $\pm$ 5%	40	2.52	4.4	2.1	190
ADFIA-4295-680 □T	68 $\pm$ 10%, $\pm$ 5%	40	2.52	4.2	2.3	185
ADFIA-4295-820 □T	82 $\pm$ 10%, $\pm$ 5%	40	2.52	4.0	2.4	175
ADFIA-4295-101 □T	100 $\pm$ 10%, $\pm$ 5%	40	2.52	3.7	2.7	170
ADFIA-4295-121 □T	120 $\pm$ 10%, $\pm$ 5%	50	0.796	3.5	4.7	160
ADFIA-4295-151 □T	150 $\pm$ 10%, $\pm$ 5%	50	0.796	3.2	5.5	140
ADFIA-4295-181 □T	180 $\pm$ 10%, $\pm$ 5%	50	0.796	3.0	6.0	130
ADFIA-4295-221 □T	220 $\pm$ 10%, $\pm$ 5%	50	0.796	2.7	6.3	120
ADFIA-4295-271 □T	270 $\pm$ 10%, $\pm$ 5%	50	0.796	2.4	6.9	110
ADFIA-4295-331 □T	330 $\pm$ 10%, $\pm$ 5%	50	0.796	2.2	7.5	100
ADFIA-4295-391 □T	390 $\pm$ 10%, $\pm$ 5%	45	0.796	2.0	8.2	92
ADFIA-4295-471 □T	470 $\pm$ 10%, $\pm$ 5%	45	0.796	1.8	8.5	85
ADFIA-4295-561 □T	560 $\pm$ 10%, $\pm$ 5%	45	0.796	1.6	9.3	78
ADFIA-4295-681 □T	680 $\pm$ 10%, $\pm$ 5%	45	0.796	1.5	11.0	70
ADFIA-4295-821 □T	820 $\pm$ 10%, $\pm$ 5%	45	0.796	1.4	13.5	65
ADFIA-4295-102 □T	1000 $\pm$ 10%, $\pm$ 5%	45	0.796	1.2	17.0	65
ADFIA-4295-122 □T	1200 $\pm$ 10%, $\pm$ 5%	45	0.252	1.0	20.5	60
ADFIA-4295-152 □T	1500 $\pm$ 10%, $\pm$ 5%	30	0.252	0.9	24.0	54
ADFIA-4295-182 □T	1800 $\pm$ 10%, $\pm$ 5%	30	0.252	0.8	28.5	50
ADFIA-4295-222 □T	2200 $\pm$ 10%, $\pm$ 5%	30	0.252	0.6	35.5	45
ADFIA-4295-272 □T	2700 $\pm$ 10%, $\pm$ 5%	30	0.252	0.5	40.5	40
ADFIA-4295-332 □T	3300 $\pm$ 10%, $\pm$ 5%	30	0.252	0.45	47.0	35
ADFIA-4295-392 □T	3900 $\pm$ 10%, $\pm$ 5%	30	0.252	0.4	52.0	30
ADFIA-4295-472 □T	4700 $\pm$ 10%, $\pm$ 5%	25	0.252	0.3	55.0	25
ADFIA-4295-562 □T	5600 $\pm$ 10%, $\pm$ 5%	25	0.252	0.3	60.0	23
ADFIA-4295-682 □T	6800 $\pm$ 10%, $\pm$ 5%	25	0.252	0.3	67.0	20
ADFIA-4295-822 □T	8200 $\pm$ 10%, $\pm$ 5%	20	0.252	0.3	72.0	18
ADFIA-4295-103 □T	10000 $\pm$ 10%, $\pm$ 5%	20	0.252	0.2	80.0	15

Inductance Tolerance: □ M $\pm$ 20%, K $\pm$ 10%, J $\pm$ 5%, H $\pm$ 2.5%.