

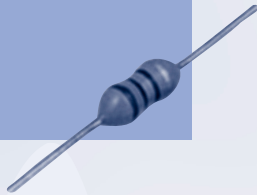
Fixed Conformal Coated

Axial Leaded Thru Hole

ADFIA Series

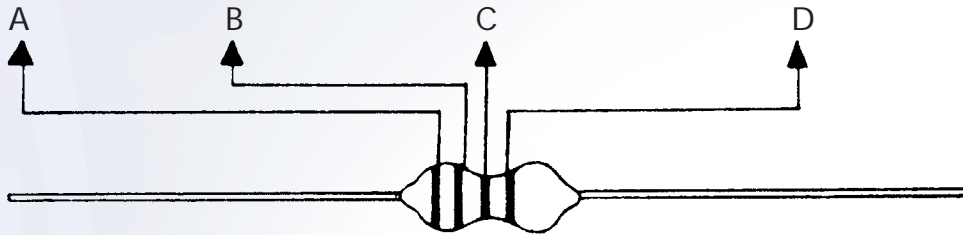


ADFIA

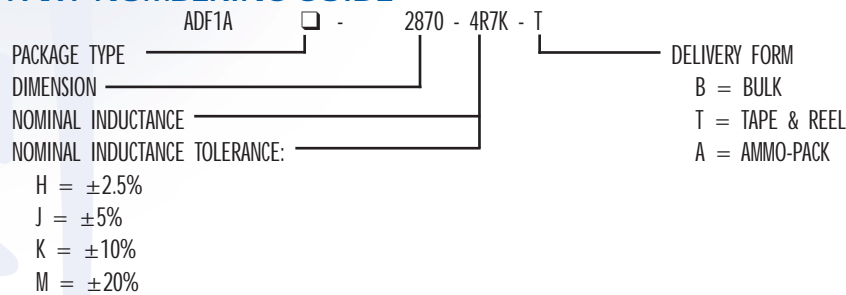


OUTER COATING

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

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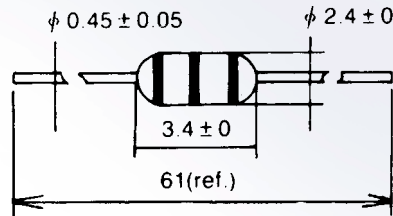
ADFIA-2434



FEATURES

- Compact and lightweight.
- Small in size.
- Taping type available for automatic inserter.

UNIT DIMENSION (unit: mm)



BENEFITS

- Temperature Rise
- Ambient Temperature
- Operating Temperature Range
- Rated Voltage
- Terminal Tensile Strength
- Terminal Bending Strength

20°C
60°C
-10°C to 80°C
250V DC
2.0 Kg min.
0.5 Kg min.

ADFIA-2434 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-2434-R10 □T	0.10 ±20%	40	25.2	160	0.15	680
ADFIA-2434-R22 □T	0.22 ±20%	40	25.2	150	0.16	630
ADFIA-2434-R27 □T	0.27 ±20%	40	25.2	130	0.18	580
ADFIA-2434-R33 □T	0.33 ±20%	40	25.2	130	0.20	550
ADFIA-2434-R39 □T	0.39 ±20%	50	25.2	130	0.22	510
ADFIA-2434-R47 □T	0.47 ±20%	50	25.2	130	0.24	470
ADFIA-2434-R56 □T	0.56 ±20%	50	25.2	130	0.26	430
ADFIA-2434-R68 □T	0.68 ±20%	50	25.2	130	0.29	400
ADFIA-2434-R82 □T	0.82 ±20%	50	25.2	130	0.32	380
ADFIA-2434-1R0 □T	1.0 ±10%	50	25.2	130	0.35	360
ADFIA-2434-1R2 □T	1.2 ±10%	50	7.96	90	0.40	340
ADFIA-2434-1R5 □T	1.5 ±10%	50	7.96	70	0.45	320
ADFIA-2434-1R8 □T	1.8 ±10%, ±5%	50	7.96	60	0.50	300
ADFIA-2434-2R2 □T	2.2 ±10%, ±5%	50	7.96	60	0.53	285
ADFIA-2434-2R7 □T	2.7 ±10%, ±5%	50	7.96	50	0.58	265
ADFIA-2434-3R3 □T	3.3 ±10%, ±5%	50	7.96	45	0.65	230
ADFIA-2434-3R9 □T	3.9 ±10%, ±5%	50	7.96	40	0.70	200
ADFIA-2434-4R7 □T	4.7 ±10%, ±5%	50	7.96	35	0.78	170
ADFIA-2434-5R6 □T	5.6 ±10%, ±5%	50	7.96	30	0.85	160
ADFIA-2434-6R8 □T	6.8 ±10%, ±5%	50	7.96	30	0.93	150
ADFIA-2434-8R2 □T	8.2 ±10%, ±5%	50	7.96	20	1.0	140
ADFIA-2434-100 □T	10 ±10%, ±5%	50	7.96	20	1.1	130
ADFIA-2434-120 □T	12 ±10%, ±5%	50	2.52	15	1.2	120
ADFIA-2434-150 □T	15 ±10%, ±5%	50	2.52	16	1.3	110
ADFIA-2434-180 □T	18 ±10%, ±5%	50	2.52	15	1.42	100
ADFIA-2434-220 □T	22 ±10%, ±5%	50	2.52	13	1.5	93
ADFIA-2434-270 □T	27 ±10%, ±5%	50	2.52	12	1.85	85
ADFIA-2434-330 □T	33 ±10%, ±5%	50	2.52	10	2.3	80
ADFIA-2434-390 □T	39 ±10%, ±5%	50	2.52	9	2.6	75
ADFIA-2434-470 □T	47 ±10%, ±5%	50	2.52	8	3.1	70
ADFIA-2434-560 □T	56 ±10%, ±5%	40	2.52	7	3.8	65
ADFIA-2434-680 □T	68 ±10%, ±5%	40	2.52	6	4.5	60
ADFIA-2434-820 □T	82 ±10%, ±5%	40	2.52	6	5.5	55
ADFIA-2434-101 □T	100 ±10%, ±5%	40	2.52	5	5.8	55
ADFIA-2434-121 □T	120 ±10%, ±5%	40	0.796	5	7.1	55
ADFIA-2434-151 □T	150 ±10%, ±5%	40	0.796	4	8.9	50
ADFIA-2434-181 □T	180 ±10%, ±5%	40	0.796	4	11.2	45
ADFIA-2434-221 □T	220 ±10%, ±5%	40	0.796	4	13.5	40

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

XTAL

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND

INDUCTORS

