

Fixed Conformal Coated

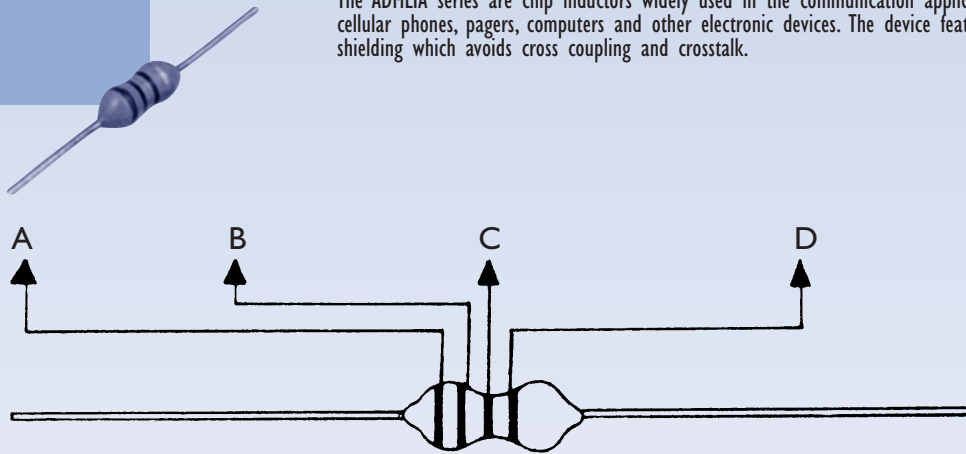
Axial Leaded Thru Hole

ADFIA Series

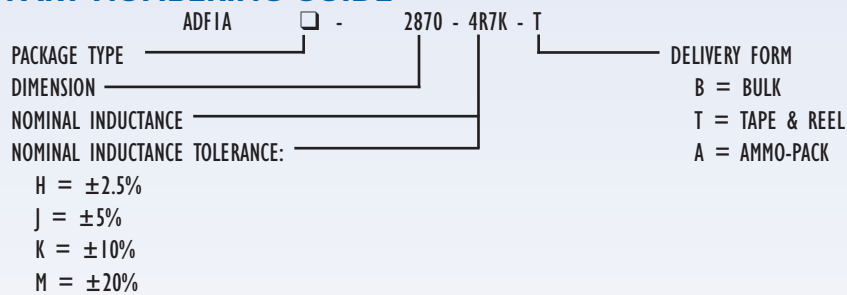
ADFIA

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 (μH) First Figure (A)	NOMINAL INDUCTANCE (μH) Second Figure (B)	NOMINAL INDUCTANCE (μH) Multiplier (C)	NOMINAL INDUCTANCE (μH) 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

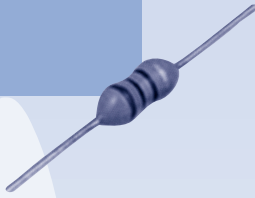
Fixed Conformal Coated

Axial Leaded Thru Hole

ADFA Series



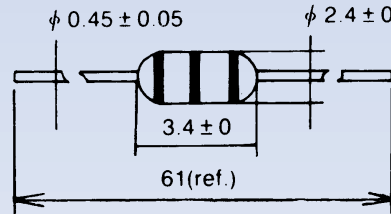
ADFA-2434



FEATURES

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

UNIT DIMENSION (unit: mm)



BENEFITS

Temperature Rise	20°C
Ambient Temperature	60°C
Operating Temperature Range	-10°C to 80°C
Rated Voltage	250V DC
Terminal Tensile Strength	2.0 Kg min.
Terminal Bending Strength	0.5 Kg min.

ADFA-2434 SERIES STANDARD SPECIFICATIONS

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

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