

DIP Power Inductors / ADR Series

Features

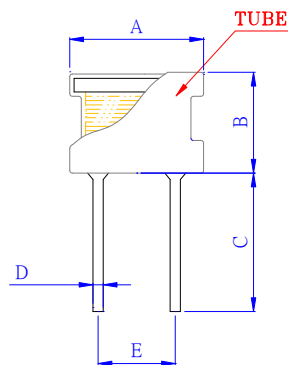
- High performance ferrite cores that are designed to RC TYPE "Small Choke Coil" which can meet to the inductance value of 2.2 uH.
- Small size and radial type.
- For high Q and Self-Resonant frequency.
- Designed by special lead wire to prevent open circuit failure.

Applications

- For switching regulators, switching power supplies, typewriters, amplifiers, monitors, TVs, UPSs, LED lighting, etc.

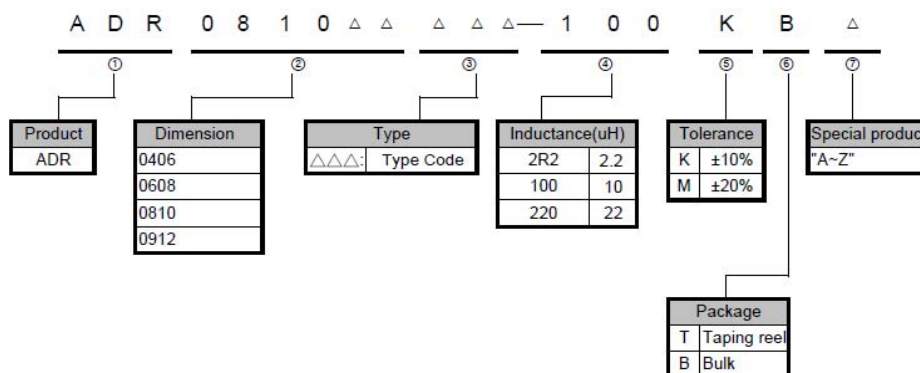


Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ADR0406	5.0+1.0	7.0+1.0	15±2.0	0.5±0.05	1.75±0.5
ADR0608	8.5 MAX.	11.0 MAX.	10 MIN.	0.6±0.05	3.0±0.5
ADR0810	9.0+1.0	11.0+1.0	15±2.0	0.65±0.05	5.0±1.0
ADR0912	10.0+1.0	13.0+1.0	15±2.0	0.65±0.05	5.0±0.5

PRODUCT IDENTIFICATION



◆ ADR0406 Series Specification :

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
ADR0406-2R2□B	2.2	M	1.0	28	2.80
ADR0406-3R3□B	3.3	M	1.0	30	2.50
ADR0406-4R7□B	4.7	M	1.0	65	2.00
ADR0406-6R8□B	6.8	K,M	1.0	75	1.60
ADR0406-100□B	10	K,M	1.0	110	1.40
ADR0406-150□B	15	K,M	1.0	120	1.10
ADR0406-220□B	22	K,M	1.0	150	0.80
ADR0406-330□B	33	K,M	1.0	300	1.10
ADR0406-470□B	47	K,M	1.0	620	0.55
ADR0406-680□B	68	K,M	1.0	750	0.48
ADR0406-101□B	100	K,M	1.0	820	0.38
ADR0406-121□B	120	K,M	1.0	710	0.34
ADR0406-151□B	150	K,M	1.0	980	0.33
ADR0406-221□BB	220	K,M	1.0	1600	0.34

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise).

* □ Tolerance K : ±10% , M : ±20%

* Isat: For Inductance drop 10% from its value without current.

◆ ADR0608 Series Specification :

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
ADR0608-2R2□B	2.2	M	1.0	23	5.50
ADR0608-3R3□B	3.3	M	1.0	31	4.30
ADR0608-4R7□B	4.7	M	100	30	2.20
ADR0608-6R8□B	6.8	K,M	1.0	30	2.00
ADR0608-100□B	10	K,M	1.0	109	2.50
ADR0608-150□B	15	K,M	1.0	54	2.50
ADR0608-220□B	22	K,M	1.0	90	1.80
ADR0608-330□B	33	K,M	1.0	178	1.65
ADR0608-470□B	47	K,M	1.0	220	1.20
ADR0608-680□B	68	K,M	1.0	260	1.00
ADR0608-101□B	100	K,M	1.0	480	0.60
ADR0608-121□B	120	K,M	1.0	350	0.70
ADR0608-151□B	150	K,M	1.0	480	0.50
ADR0608-221□B	220	K,M	1.0	1100	0.80
ADR0608-331□B	330	K,M	1.0	1700	0.60
ADR0608-471□B	470	K,M	1.0	1500	0.40
ADR0608-561□B	560	K,M	1.0	2620	0.40
ADR0608-681□B	680	K,M	1.0	3400	0.40
ADR0608-821□B	820	K,M	1.0	4300	0.40
ADR0608-102□B	1000	K,M	1.0	3200	0.20

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise).

* □ Tolerance K : ±10% , M : ±20%

* Isat: For Inductance drop 10% from its value without current.

◆ ADR0810 Series Specification :

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
ADR0810-2R2□B	2.2	M	1.0	10	4.50
ADR0810-3R3□B	3.3	M	1.0	20	3.60
ADR0810-4R7□B	4.7	M	1.0	35	3.50
ADR0810-6R8□B	6.8	K,M	1.0	38	6.00
ADR0810-100□BA	10	K,M	1.0	30	4.40
ADR0810-150□BD	15	K,M	1.0	42	3.60
ADR0810-220□BA	22	K,M	1.0	60	3.50
ADR0810-330□B	33	K,M	1.0	100	2.50
ADR0810-470□B	47	K,M	1.0	150	2.00
ADR0810-680□B	68	K,M	1.0	130	2.00
ADR0810-101□B	100	K,M	1.0	350	1.20
ADR0810-121□B	120	K,M	1.0	280	1.60
ADR0810-151□B	150	K,M	1.0	280	1.10
ADR0810-221□B	220	K,M	1.0	760	1.00
ADR0810-331□B	330	K,M	1.0	800	0.80
ADR0810-471□B	470	K,M	1.0	950	0.70
ADR0810-561□B	560	K,M	1.0	980	0.75
ADR0810-681□B	680	K,M	1.0	1250	0.70
ADR0810-821□B	820	K,M	1.0	1500	0.65
ADR0810-102□B	1000	K,M	1.0	2000	0.30
ADR0810-122□B	1200	K,M	1.0	3800	0.42
ADR0810-152□B	1500	K,M	1.0	4500	0.40
ADR0810-182□B	1800	K,M	1.0	4800	0.38
ADR0810-222□B	2200	K,M	1.0	5800	0.43

NOTE :

* The operating temperature range is -40℃ to +125℃ (Including self-temperature rise).

* □ Tolerance K : ±10% , M : ±20%

* Isat: For Inductance drop 10% from its value without current.

◆ ADR0912 Series Specification :

Part Number	Inductance (uH)	Inductance Tolerance	Test Freq. (KHz)	DCR (mΩ) Max.	Saturation Current (A) Max.
ADR0912-100□B	10	K,M	1.0	28	6.50
ADR0912-150□B	15	K,M	1.0	30	4.20
ADR0912-220□B	22	K,M	1.0	40	3.20
ADR0912-330□B	33	K,M	1.0	60	2.30
ADR0912-470□B	47	K,M	1.0	100	2.10
ADR0912-680□B	68	K,M	1.0	110	1.90
ADR0912-101□B	100	K,M	1.0	150	1.50
ADR0912-121□B	120	K,M	1.0	180	1.40
ADR0912-151□B	150	K,M	1.0	200	1.30
ADR0912-221□BA	220	K,M	1.0	600	1.70
ADR0912-331□B	330	K,M	1.0	800	0.80
ADR0912-471□B	470	K,M	1.0	1200	0.70
ADR0912-561□B	560	K,M	1.0	1080	0.65
ADR0912-681□B	680	K,M	1.0	1220	0.55
ADR0912-821□B	820	K,M	1.0	1100	0.40
ADR0912-102□B	1000	K,M	1.0	1200	0.50
ADR0912-122□B	1200	K,M	1.0	1500	0.46
ADR0912-152□B	1500	K,M	1.0	2000	0.43
ADR0912-182□B	1800	K,M	1.0	2300	0.34
ADR0912-222□B	2200	K,M	1.0	3200	0.33

NOTE :

* The operating temperature range is -40°C to +125°C (Including self-temperature rise).

* □ Tolerance K : ±10% , M : ±20%

* Isat: For Inductance drop 10% from its value without current.