

# Radial Choke Inductors HDR 0608-1016 Series



## Features

- Open Magnetic circuit construction
- Low cost and high reliability

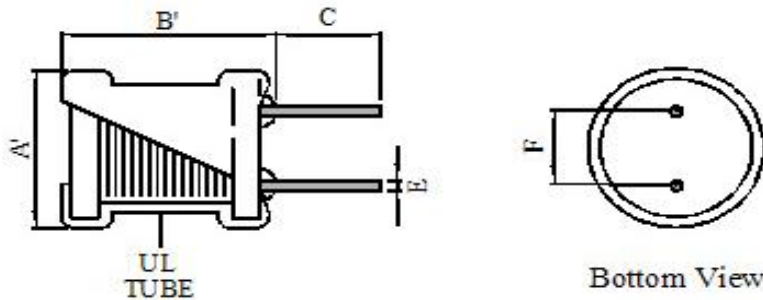
## Application

- Notebook, Inkjet printer, Copying machine, Display monitor, Cellular phone, ADSL modem, Gaming machine, Color TV, Video tape recorder, Video camera, Microwave oven, Lighting and Car electronics.

## Tolerance

- ( J 5% , K 10%, L 15%, M 20% , N 30% )

## Configurations & Dimensions



## Dimensions

## Chip Size

## Units:mm

TYPE	A	B	C(min)	E	F
HDR0608	6.5±1.0	10.0(max)	10	0.6±0.1	3.0±0.5
HDR0810	8.5±1.0	12.0(max)	10	0.6±0.1	5.0±0.5
HDR0912	9.5±1.0	14.0(max)	10	0.6±0.1	5.0±0.5
HDR1016	12.5(max)	21.5(max)	10	0.8±0.1	6.0±0.5

Design as Customer's Requested Specifications.



## Speciflcations HDR0608

Part Number	Inductance ( $\mu$ H)	Tolerance (%)	Test Frequency (KHz)	DCR ( $\Omega$ ) max	Isat (A) max
HDR0608-1R0NU	1.0	20	0.25V/1	0.015	3.00
HDR0608-1R2NU	1.2	20	0.25V/1	0.015	2.80
HDR0608-1R5NU	1.5	20	0.25V/1	0.015	2.70
HDR0608-2R2NU	2.2	20	0.25V/1	0.015	2.60
HDR0608-2R7NU	2.7	20	0.25V/1	0.020	2.50
HDR0608-3R3NU	3.3	20	0.25V/1	0.020	2.50
HDR0608-3R9NU	3.9	20	0.25V/1	0.025	2.50
HDR0608-4R7NU	4.7	20	0.25V/1	0.025	2.30
HDR0608-5R6NU	5.6	20	0.25V/1	0.030	2.10
HDR0608-6R8NU	6.8	20	0.25V/1	0.030	1.80
HDR0608-8R2NU	8.2	20	0.25V/1	0.035	1.20
HDR0608-100MU	10	20	0.25V/1	0.045	1.00
HDR0608-120MU	12	20	0.25V/1	0.050	1.00
HDR0608-150MU	15	20	0.25V/1	0.055	0.90
HDR0608-180MU	18	20	0.25V/1	0.090	0.90
HDR0608-220MU	22	20	0.25V/1	0.095	0.80
HDR0608-270MU	27	20	0.25V/1	0.110	0.75
HDR0608-330MU	33	20	0.25V/1	0.125	0.70
HDR0608-390MU	39	20	0.25V/1	0.140	0.65
HDR0608-470MU	47	20	0.25V/1	0.160	0.60
HDR0608-560MU	56	20	0.25V/1	0.180	0.60
HDR0608-680MU	68	20	0.25V/1	0.200	0.56
HDR0608-820MU	82	20	0.25V/1	0.270	0.48
HDR0608-101MU	100	10	0.25V/1	0.310	0.45
HDR0608-121MU	120	10	0.25V/1	0.370	0.43
HDR0608-151MU	150	10	0.25V/1	0.470	0.40
HDR0608-181MU	180	10	0.25V/1	0.540	0.40
HDR0608-221MU	220	10	0.25V/1	0.730	0.38
HDR0608-271MU	270	10	0.25V/1	0.830	0.32
HDR0608-331MU	330	10	0.25V/1	0.950	0.30
HDR0608-391MU	390	10	0.25V/1	1.220	0.25
HDR0608-471MU	470	10	0.25V/1	1.630	0.22
HDR0608-561MU	560	10	0.25V/1	1.800	0.20
HDR0608-681MU	680	10	0.25V/1	2.100	0.18
HDR0608-821MU	820	10	0.25V/1	2.900	0.17
HDR0608-102MU	1000	10	0.25V/1	3.200	0.15



## Speciflcations HDR0810

Part Number	Inductance ( $\mu$ H)	Tolerance (%)	Test Frequency (KHz)	DCR ( $\Omega$ ) max	Isat (A) max
HDR0810-1R0NU	1.0	20	0.25V/1	0.015	4.50
HDR0810-1R5NU	1.5	20	0.25V/1	0.020	4.50
HDR0810-2R2NU	2.2	20	0.25V/1	0.020	4.20
HDR0810-2R7NU	2.7	20	0.25V/1	0.020	4.20
HDR0810-3R3NU	3.3	20	0.25V/1	0.020	4.00
HDR0810-3R9NU	3.9	20	0.25V/1	0.020	4.00
HDR0810-4R7NU	4.7	20	0.25V/1	0.025	4.00
HDR0810-5R6NU	5.6	20	0.25V/1	0.025	4.00
HDR0810-6R8NU	6.8	20	0.25V/1	0.025	4.00
HDR0810-8R2NU	8.2	20	0.25V/1	0.035	3.80
HDR0810-100MU	10	20	0.25V/1	0.040	3.80
HDR0810-120MU	12	20	0.25V/1	0.040	3.20
HDR0810-150MU	15	20	0.25V/1	0.045	2.80
HDR0810-180MU	18	20	0.25V/1	0.060	2.50
HDR0810-220MU	22	20	0.25V/1	0.070	2.10
HDR0810-270MU	27	20	0.25V/1	0.085	2.00
HDR0810-330MU	33	20	0.25V/1	0.090	1.80
HDR0810-390MU	39	20	0.25V/1	0.100	1.60
HDR0810-470MU	47	20	0.25V/1	0.110	1.50
HDR0810-560MU	56	20	0.25V/1	0.150	1.30
HDR0810-680MU	68	20	0.25V/1	0.190	1.00
HDR0810-820MU	82	20	0.25V/1	0.210	0.90
HDR0810-101MU	100	10	0.25V/1	0.240	0.80
HDR0810-121MU	120	10	0.25V/1	0.260	0.80
HDR0810-151MU	150	10	0.25V/1	0.310	0.75
HDR0810-181MU	180	10	0.25V/1	0.380	0.70
HDR0810-221MU	220	10	0.25V/1	0.430	0.65
HDR0810-271MU	270	10	0.25V/1	0.490	0.63
HDR0810-331MU	330	10	0.25V/1	0.660	0.60
HDR0810-391MU	390	10	0.25V/1	0.790	0.58
HDR0810-471MU	470	10	0.25V/1	0.910	0.52
HDR0810-561MU	560	10	0.25V/1	1.130	0.50
HDR0810-681MU	680	10	0.25V/1	1.300	0.40
HDR0810-821MU	820	10	0.25V/1	1.530	0.30
HDR0810-102MU	1000	10	0.25V/1	1.800	0.27



## Speciflcations HDR0912

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HDR0912-1R0NU	1.0	20	0.25V/1	0.015	5.00
HDR0912-1R5NU	1.5	20	0.25V/1	0.015	5.00
HDR0912-1R8NU	1.8	20	0.25V/1	0.015	5.00
HDR0912-2R2NU	2.2	20	0.25V/1	0.015	5.00
HDR0912-3R3NU	3.3	20	0.25V/1	0.020	4.80
HDR0912-3R9NU	3.9	20	0.25V/1	0.020	4.80
HDR0912-4R7NU	4.7	20	0.25V/1	0.020	4.50
HDR0912-5R6NU	5.6	20	0.25V/1	0.025	4.00
HDR0912-6R8NU	6.8	20	0.25V/1	0.025	3.90
HDR0912-8R2NU	8.2	20	0.25V/1	0.025	3.50
HDR0912-100MU	10	20	0.25V/1	0.030	3.40
HDR0912-120MU	12	20	0.25V/1	0.030	3.20
HDR0912-150MU	15	20	0.25V/1	0.040	3.00
HDR0912-180MU	18	20	0.25V/1	0.045	2.80
HDR0912-220MU	22	20	0.25V/1	0.050	2.70
HDR0912-270MU	27	20	0.25V/1	0.055	2.50
HDR0912-330MU	33	20	0.25V/1	0.055	2.50
HDR0912-390MU	39	20	0.25V/1	0.060	2.00
HDR0912-470MU	47	20	0.25V/1	0.070	1.80
HDR0912-560MU	56	20	0.25V/1	0.080	1.70
HDR0912-680MU	68	20	0.25V/1	0.090	1.50
HDR0912-820MU	82	20	0.25V/1	0.110	1.40
HDR0912-101MU	100	10	0.25V/1	0.160	1.20
HDR0912-121MU	120	10	0.25V/1	0.170	1.10
HDR0912-151MU	150	10	0.25V/1	0.200	1.00
HDR0912-181MU	180	10	0.25V/1	0.220	0.90
HDR0912-221MU	220	10	0.25V/1	0.260	0.80
HDR0912-271MU	270	10	0.25V/1	0.390	0.70
HDR0912-331MU	330	10	0.25V/1	0.450	0.50
HDR0912-391MU	390	10	0.25V/1	0.490	0.45
HDR0912-471MU	470	10	0.25V/1	0.620	0.43
HDR0912-561MU	560	10	0.25V/1	0.640	0.40
HDR0912-681MU	680	10	0.25V/1	0.790	0.38
HDR0912-821MU	820	10	0.25V/1	1.340	0.35
HDR0912-102MU	1000	10	0.25V/1	1.820	0.30



## Specifications HDR1016

Part Number	Inductance ( $\mu$ H)	Tolerance (%)	Test Frequency (KHz)	DCR ( $\Omega$ ) max	Isat (A) max
HDR1016-1R0NU	1.0	20	0.25V/1	0.010	9.00
HDR1016-1R5NU	1.5	20	0.25V/1	0.015	9.00
HDR1016-1R8NU	1.8	20	0.25V/1	0.015	9.00
HDR1016-2R7NU	2.7	20	0.25V/1	0.015	9.00
HDR1016-3R3NU	3.3	20	0.25V/1	0.015	8.50
HDR1016-3R9NU	3.9	20	0.25V/1	0.015	8.00
HDR1016-4R7NU	4.7	20	0.25V/1	0.020	7.50
HDR1016-5R6NU	5.6	20	0.25V/1	0.025	7.50
HDR1016-6R8NU	6.8	20	0.25V/1	0.025	7.50
HDR1016-8R2NU	8.2	20	0.25V/1	0.025	7.20
HDR1016-100MU	10	20	0.25V/1	0.030	7.20
HDR1016-120MU	12	20	0.25V/1	0.030	7.00
HDR1016-150MU	15	20	0.25V/1	0.035	6.50
HDR1016-180MU	18	20	0.25V/1	0.035	6.30
HDR1016-220MU	22	20	0.25V/1	0.045	5.50
HDR1016-270MU	27	20	0.25V/1	0.050	4.50
HDR1016-330MU	33	20	0.25V/1	0.070	4.00
HDR1016-390MU	39	20	0.25V/1	0.070	3.80
HDR1016-470MU	47	20	0.25V/1	0.070	3.60
HDR1016-560MU	56	20	0.25V/1	0.080	3.20
HDR1016-680MU	68	20	0.25V/1	0.090	3.00
HDR1016-820MU	82	20	0.25V/1	0.095	2.60
HDR1016-101MU	100	10	0.25V/1	0.120	2.50
HDR1016-121MU	120	10	0.25V/1	0.140	2.30
HDR1016-151MU	150	10	0.25V/1	0.170	2.10
HDR1016-181MU	180	10	0.25V/1	0.190	2.00
HDR1016-221MU	220	10	0.25V/1	0.250	1.80
HDR1016-271MU	270	10	0.25V/1	0.340	1.50
HDR1016-331MU	330	10	0.25V/1	0.450	1.50
HDR1016-391MU	390	10	0.25V/1	0.510	1.30
HDR1016-471MU	470	10	0.25V/1	0.560	1.20
HDR1016-561MU	560	10	0.25V/1	0.640	1.00
HDR1016-681MU	680	10	0.25V/1	0.710	1.00
HDR1016-821MU	820	10	0.25V/1	1.010	0.90
HDR1016-102MU	1000	10	0.25V/1	1.200	0.80