



Electronica Rossoni

INDUSTRIAL  
ELECTRONICS

CONSUMER  
ELECTRONICS

AUTOMATION  
TECHNOLOGY

COMMUNICATION  
& ENTERTAINMENT  
ELECTRONICS

# ***POWER INDUCTORS SMD SERIE***

LIGHTING  
TECHNOLOGY





Elettronica Rossoni

# POWER INDUCTORS SMD SERIES

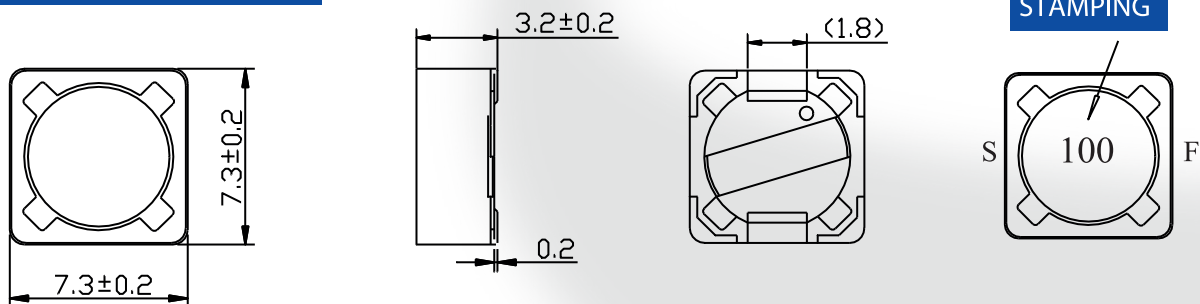
## DRH73 Series

### TYPE DRH73

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ )	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH73-100M	100	10 $\pm$ 20%	72m	1.84	2.11
DRH73-120M	120	12 $\pm$ 20%	98m	1.60	1.70
DRH73-150M	150	15 $\pm$ 20%	120m	1.52	1.50
DRH73-180M	180	18 $\pm$ 20%	130m	1.40	1.46
DRH73-220M	220	22 $\pm$ 20%	170m	1.28	1.23
DRH73-270M	270	27 $\pm$ 20%	190m	1.16	1.22
DRH73-330M	330	33 $\pm$ 20%	220m	1.04	1.20
DRH73-390M	390	39 $\pm$ 20%	280m	0.96	0.98
DRH73-470M	470	47 $\pm$ 20%	320m	0.88	0.92
DRH73-560M	560	56 $\pm$ 20%	360m	0.80	0.88
DRH73-680M	680	68 $\pm$ 20%	470m	0.74	0.81
DRH73-820M	820	82 $\pm$ 20%	650m	0.65	0.61
DRH73-101M	101	100 $\pm$ 20%	720m	0.60	0.60
DRH73-121M	121	120 $\pm$ 20%	820m	0.55	0.55
DRH73-151M	151	150 $\pm$ 20%	1.16	0.48	0.46
DRH73-181M	181	180 $\pm$ 20%	1.20	0.45	0.43
DRH73-221M	221	220 $\pm$ 20%	1.37	0.41	0.41
DRH73-271M	271	270 $\pm$ 20%	2.00	0.37	0.40
DRH73-331M	331	330 $\pm$ 20%	2.27	0.33	0.34
DRH73-391M	391	390 $\pm$ 20%	2.59	0.31	0.31
DRH73-471M	471	470 $\pm$ 20%	3.39	0.27	0.28
DRH73-561M	561	560 $\pm$ 20%	3.78	0.25	0.25
DRH73-681M	681	680 $\pm$ 20%	5.12	0.22	0.22
DRH73-821M	821	820 $\pm$ 20%	5.76	0.21	0.20
DRH73-102M	102	1000 $\pm$ 20%	8.20	0.18	0.18

#### DIMENSION (UNIT:mm)



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

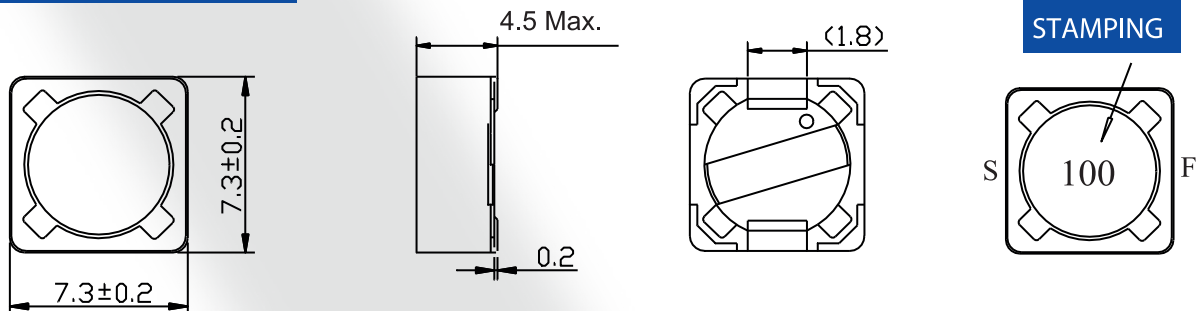
## DRH74 Series

TYPE DRH74

### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ )	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH74-100M	100	10 $\pm$ 20%	70.0m	2.10	1.90
DRH74-120M	120	12 $\pm$ 20%	75.0m	1.82	1.80
DRH74-150M	150	15 $\pm$ 20%	85.0m	1.75	1.72
DRH74-180M	180	18 $\pm$ 20%	0.10	1.61	1.67
DRH74-220M	220	22 $\pm$ 20%	0.12	1.40	1.50
DRH74-270M	270	27 $\pm$ 20%	0.14	1.26	1.32
DRH74-330M	330	33 $\pm$ 20%	0.17	1.05	1.21
DRH74-390M	390	39 $\pm$ 20%	0.20	0.98	1.06
DRH74-470M	470	47 $\pm$ 20%	0.24	0.84	1.00
DRH74-560M	560	56 $\pm$ 20%	0.27	0.78	0.98
DRH74-680M	680	68 $\pm$ 20%	0.35	0.75	0.84
DRH74-820M	820	82 $\pm$ 20%	0.42	0.66	0.78
DRH74-101M	101	100 $\pm$ 20%	0.47	0.63	0.70
DRH74-121M	121	120 $\pm$ 20%	0.64	0.56	0.64
DRH74-151M	151	150 $\pm$ 20%	0.73	0.50	0.55
DRH74-181M	181	180 $\pm$ 20%	0.98	0.45	0.50
DRH74-221M	221	220 $\pm$ 20%	1.13	0.41	0.48
DRH74-271M	271	270 $\pm$ 20%	1.38	0.37	0.44
DRH74-331M	331	330 $\pm$ 20%	1.65	0.34	0.39
DRH74-391M	391	390 $\pm$ 20%	1.83	0.31	0.37
DRH74-471M	471	470 $\pm$ 20%	2.05	0.29	0.33
DRH74-561M	561	560 $\pm$ 20%	2.57	0.25	0.29
DRH74-681M	681	680 $\pm$ 20%	3.00	0.23	0.27
DRH74-821M	821	820 $\pm$ 20%	3.75	0.21	0.26
DRH74-102M	102	1000 $\pm$ 20%	4.25	0.20	0.23

### DIMENSION (UNIT:mm)



- \* Idc1: CORE SATURATION CURRENT
- \* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

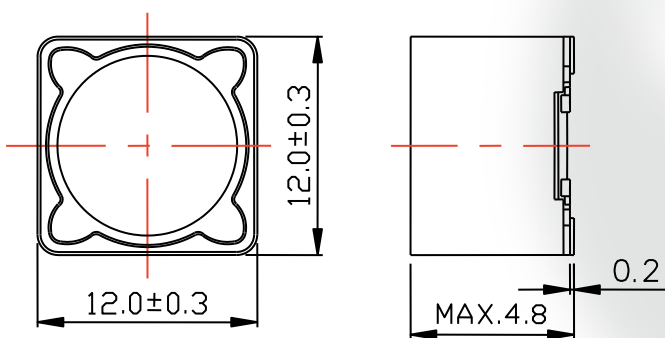
## DRH124 Series

### TYPE DRH124

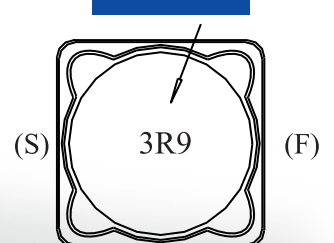
#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ )	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH124-3R9M	3R9	3.9 $\pm$ 20%	13.7	8.26	6.68
DRH124-5R2M	5R2	5.2 $\pm$ 20%	15.5	7.19	6.03
DRH124-6R8M	6R8	6.8 $\pm$ 20%	19.9	6.37	5.53
DRH124-8R2M	8R2	8.2 $\pm$ 20%	24.4	5.72	5.00
DRH124-100M	100	10 $\pm$ 20%	32.4	5.19	4.50
DRH124-120M	120	12 $\pm$ 20%	35.6	4.75	4.00
DRH124-150M	150	15 $\pm$ 20%	43.9	4.38	3.50
DRH124-180M	180	18 $\pm$ 20%	52.1	3.79	3.18
DRH124-220M	220	22 $\pm$ 20%	65.7	3.34	3.11
DRH124-270M	270	27 $\pm$ 20%	70.3	3.16	2.75
DRH124-330M	330	33 $\pm$ 20%	90.5	2.84	2.60
DRH124-390M	390	39 $\pm$ 20%	123.9	2.59	1.96
DRH124-470M	470	47 $\pm$ 20%	132.3	2.37	1.91
DRH124-560M	560	56 $\pm$ 20%	168.9	2.19	1.73
DRH124-680M	680	68 $\pm$ 20%	181.9	2.04	1.58
DRH124-820M	820	82 $\pm$ 20%	214.8	1.79	1.52
DRH124-101M	101	100 $\pm$ 20%	266.3	1.63	1.36
DRH124-121M	121	120 $\pm$ 20%	330.6	1.51	1.19
DRH124-151M	151	150 $\pm$ 20%	468.9	1.33	1.01
DRH124-181M	181	180 $\pm$ 20%	524.9	1.22	0.95
DRH124-221M	221	220 $\pm$ 20%	602.6	1.13	0.85
DRH124-271M	271	270 $\pm$ 20%	823.9	1.05	0.74
DRH124-331M	331	330 $\pm$ 20%	932.1	0.95	0.69

#### DIMENSION (UNIT:mm)



#### STAMPING



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

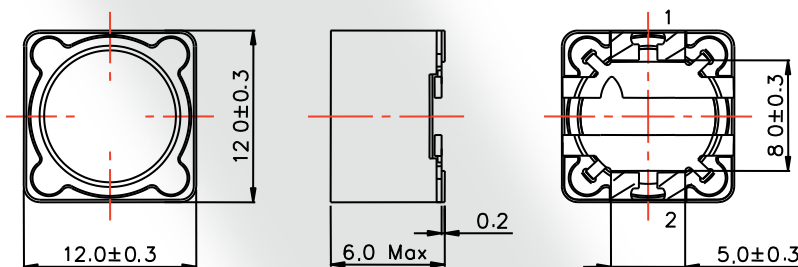
## DRH125 Series

TYPE DRH125

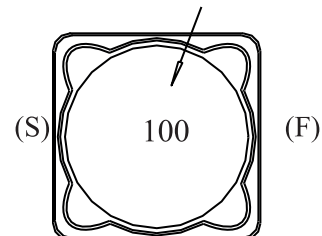
### ELECTRICAL CHARACTERISTICS

No.	PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ )	RATED CURRENT Max. (A)	
					Idc1 Max.	Idc2 Max.
01	DRH125-100M	100	10 $\pm$ 20%	27.0m	4.50	4.20
02	DRH125-120M	120	12 $\pm$ 20%	28.0m	4.30	3.60
03	DRH125-150M	150	15 $\pm$ 20%	32.0m	3.90	3.50
04	DRH125-180M	180	18 $\pm$ 20%	35.0m	3.60	3.20
05	DRH125-220M	220	22 $\pm$ 20%	44.0m	3.20	2.90
06	DRH125-270M	270	27 $\pm$ 20%	51.0m	2.90	2.70
07	DRH125-330M	330	33 $\pm$ 20%	57.0m	2.50	2.50
08	DRH125-390M	390	39 $\pm$ 20%	68.0m	2.20	2.20
09	DRH125-470M	470	47 $\pm$ 20%	75.0m	2.20	2.00
10	DRH125-560M	560	56 $\pm$ 20%	91.0m	2.10	1.90
11	DRH125-680M	680	68 $\pm$ 20%	0.14	1.80	1.60
12	DRH125-820M	820	82 $\pm$ 20%	0.15	1.70	1.50
13	DRH125-101M	101	100 $\pm$ 20%	0.16	1.40	1.45
14	DRH125-121M	121	120 $\pm$ 20%	0.18	1.40	1.30
15	DRH125-151M	151	150 $\pm$ 20%	0.24	1.20	1.05
16	DRH125-181M	181	180 $\pm$ 20%	0.29	1.10	1.00
17	DRH125-221M	221	220 $\pm$ 20%	0.35	1.00	0.95
18	DRH125-271M	271	270 $\pm$ 20%	0.43	0.90	0.90
19	DRH125-331M	331	330 $\pm$ 20%	0.51	0.85	0.80
20	DRH125-391M	391	390 $\pm$ 20%	0.62	0.80	0.70
21	DRH125-471M	471	470 $\pm$ 20%	0.70	0.73	0.65
22	DRH125-561M	561	560 $\pm$ 20%	0.86	0.60	0.58
23	DRH125-681M	681	680 $\pm$ 20%	1.05	0.55	0.55
24	DRH125-821M	821	820 $\pm$ 20%	1.34	0.53	0.47
25	DRH125-102M	102	1000 $\pm$ 20%	1.53	0.45	0.42

### DIMENSION (UNIT:mm)



### STAMPING



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

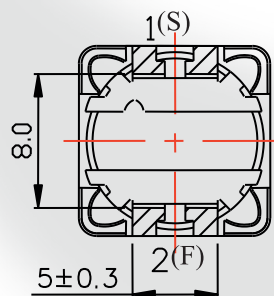
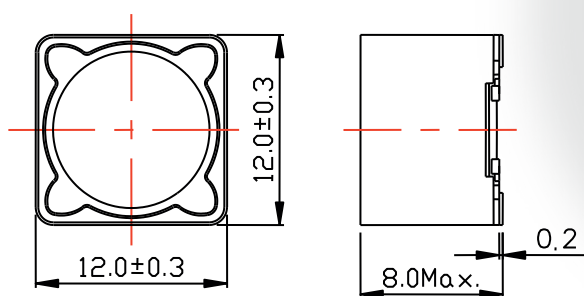
## DRH127 Series

### TYPE DRH127

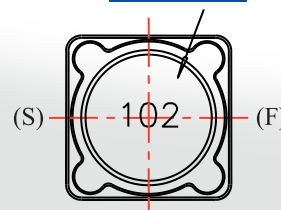
#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ )	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH127-1R2N	1R2	1.2 $\pm$ 30%	6.5	19.74	10.58
DRH127-2R7N	2R7	2.7 $\pm$ 30%	10.5	12.89	8.09
DRH127-3R9N	3R9	3.9 $\pm$ 30%	12.5	11.02	7.42
DRH127-5R0N	5R0	5.0 $\pm$ 30%	14.5	9.62	6.88
DRH127-6R9N	6R9	6.9 $\pm$ 30%	16.5	8.55	6.45
DRH127-8R0N	8R0	8.0 $\pm$ 30%	18.5	7.70	6.08
DRH127-100M	100	10 $\pm$ 20%	20.5	7.01	5.74
DRH127-120M	120	12 $\pm$ 20%	22.5	6.43	5.46
DRH127-150M	150	15 $\pm$ 20%	25.0	5.94	5.20
DRH127-180M	180	18 $\pm$ 20%	29.5	5.17	4.76
DRH127-220M	220	22 $\pm$ 20%	39.5	4.86	4.07
DRH127-270M	270	27 $\pm$ 20%	43.0	4.58	3.90
DRH127-330M	330	33 $\pm$ 20%	61.0	4.11	3.25
DRH127-390M	390	39 $\pm$ 20%	68.5	3.73	3.06
DRH127-470M	470	47 $\pm$ 20%	76.5	3.42	2.89
DRH127-560M	560	56 $\pm$ 20%	108	3.15	2.42
DRH127-680M	680	68 $\pm$ 20%	134	2.82	2.11
DRH127-820M	820	82 $\pm$ 20%	146	2.65	2.02
DRH127-101M	101	100 $\pm$ 20%	209	2.34	1.67
DRH127-121M	121	120 $\pm$ 20%	231	2.17	1.58
DRH127-151M	151	150 $\pm$ 20%	259	1.96	1.49
DRH127-181M	181	180 $\pm$ 20%	333	1.80	1.30
DRH127-221M	221	220 $\pm$ 20%	375	1.62	1.23
DRH127-271M	271	270 $\pm$ 20%	532	1.48	1.02
DRH127-331M	331	330 $\pm$ 20%	597	1.34	0.96
DRH127-391M	391	390 $\pm$ 20%	653	1.25	0.92
DRH127-471M	471	470 $\pm$ 20%	911	1.14	0.77
DRH127-561M	561	560 $\pm$ 20%	994	1.05	0.73
DRH127-681M	681	680 $\pm$ 20%	1370	0.96	0.61
DRH127-821M	821	820 $\pm$ 20%	1530	0.87	0.57
DRH127-102M	102	1000 $\pm$ 20%	1700	0.80	0.54

#### DIMENSION (UNIT:mm)



#### STAMPING



- \* Idc1: CORE SATURATION CURRENT
- \* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

## DA54 Series

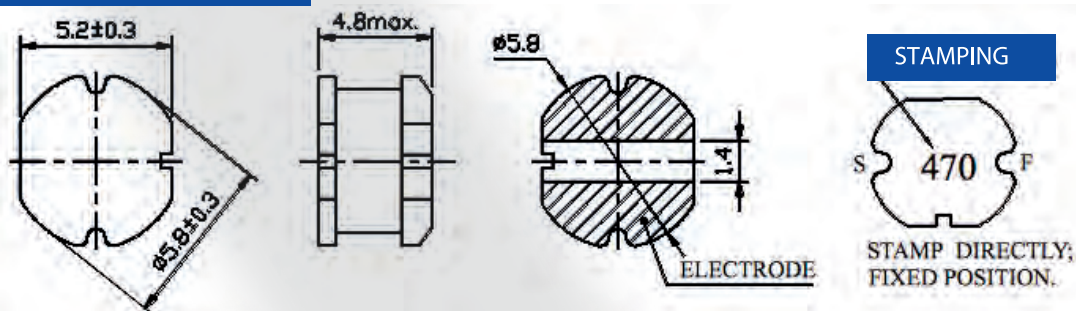
TYPE DA54

### ELECTRICAL CHARACTERISTICS

PART NUMBER	L ( $\mu$ H)	L TOLERANCE	D.C.R. (m $\Omega$ )	RATED CURRENT Max. (A)		SRF (MHz) Typ.	STAMP
				Idc1	Idc2		
DA54-1R0M	1.0	M	23.5	4.5	3.4	188	1R0
DA54-1R2M	1.2		27.5	4.0	3.2	158	1R2
DA54-1R8M	1.8		32.0	3.5	3.0	122	1R8
DA54-2R2M	2.2		36.5	2.9	2.8	81	2R2
DA54-2R7M	2.7		40.5	2.5	2.7	68	2R7
DA54-3R3M	3.3		45.0	2.4	2.6	55	3R3
DA54-3R9M	3.9		49.5	2.3	2.5	49	3R9
DA54-4R7M	4.7		54.5	2.2	2.4	46	4R7
DA54-5R6M	5.6		64.0	2.0	2.3	40	5R6
DA54-6R8M	6.8		69.0	1.9	2.2	35	6R8
DA54-8R2M	8.2		79.0	1.7	2.1	28	8R2
DA54-100M	10		69.5	1.5	2.0	32	100
DA54-120M	12		79.0	1.4	1.9	30	120
DA54-150M	15		104	1.2	1.7	24	150
DA54-180M	18	121	1.0	1.5	22	180	
DA54-220M	22	154	0.97	1.3	21	220	
DA54-270M	27	174	0.89	1.2	18	270	
DA54-330M	33	204	0.73	1.1	17	330	
DA54-390M	39	268	0.71	1.0	14	390	
DA54-470M	47	306	0.69	0.90	14	470	
DA54-560M	56	342	0.66	0.80	12	560	
DA54-680M	68	381	0.61	0.70	11	680	
DA54-820M	82	505	0.54	0.65	10	820	
DA54-101M	100	589	0.48	0.60	9	101	
DA54-121M	120	779	0.37	0.58	8	121	
DA54-151M	150	895	0.35	0.56	8	151	
DA54-181M	180	1140	0.32	0.47	6	181	
DA54-221M	220	1267	0.27	0.45	5	221	
DA54-271M	270	1434	0.25	0.43	4	271	
DA54-331M	330	1703	0.24	0.36	4	331	

M:  $\pm 20\%$ , K:  $\pm 10\%$

### DIMENSION (UNIT:mm)



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT



# POWER INDUCTORS SMD SERIES

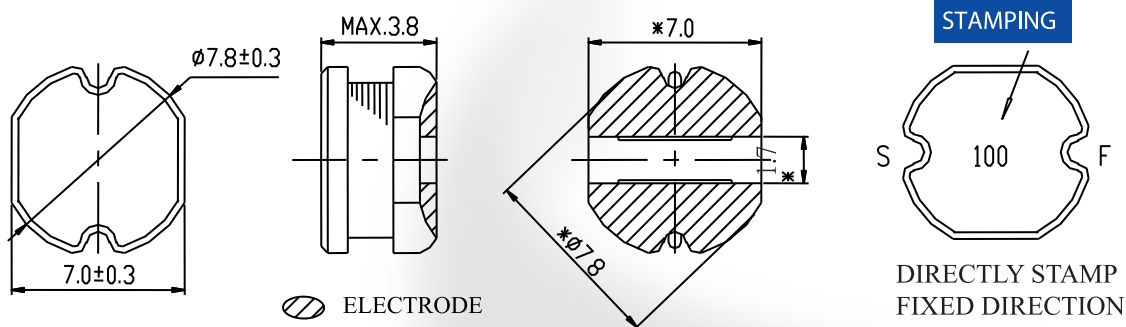
## DA73 Series

### TYPE DA73

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ ) MAX.(TYP.)	RATED CURRENT Max. (A) ✖
DA73-100K	100	10 $\pm$ 10%	80.3(64.2)	1.59
DA73-120K	120	12 $\pm$ 10%	87.1(69.7)	1.52
DA73-150K	150	15 $\pm$ 10%	101(80.6)	1.29
DA73-180K	180	18 $\pm$ 10%	107(85.9)	1.14
DA73-220K	220	22 $\pm$ 10%	124(98.9)	1.04
DA73-270K	270	27 $\pm$ 10%	149(119)	0.93
DA73-330K	330	33 $\pm$ 10%	165(132)	0.83
DA73-390K	390	39 $\pm$ 10%	220(176)	0.75
DA73-470K	470	47 $\pm$ 10%	251(201)	0.71
DA73-560K	560	56 $\pm$ 10%	285(228)	0.60
DA73-680K	680	68 $\pm$ 10%	333(266)	0.59
DA73-820K	820	82 $\pm$ 10%	414(331)	0.54
DA73-101K	101	100 $\pm$ 10%	487(390)	0.47
DA73-121K	121	120 $\pm$ 10%	549(439)	0.45
DA73-151K	151	150 $\pm$ 10%	772(617)	0.39
DA73-181K	181	180 $\pm$ 10%	952(762)	0.37
DA73-221K	221	220 $\pm$ 10%	1080(864)	0.32
DA73-271K	271	270 $\pm$ 10%	1260(1008)	0.30
DA73-331K	331	330 $\pm$ 10%	1450(1160)	0.27

#### DIMENSION (UNIT:mm)



\* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

# POWER INDUCTORS SMD SERIES

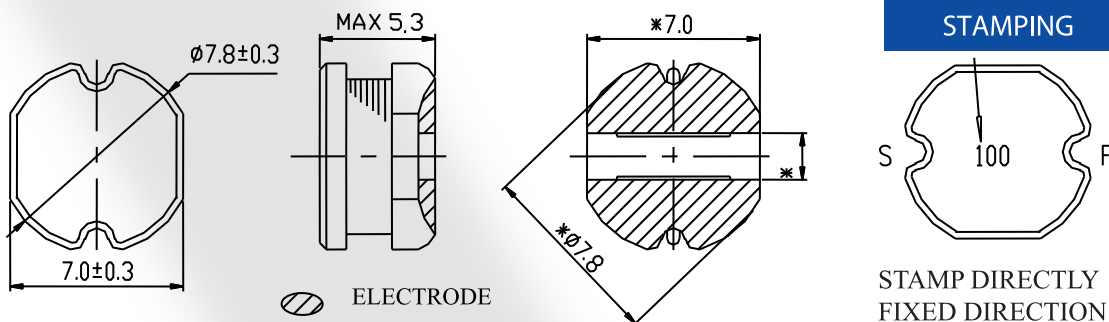
## DA75 Series

TYPE DA75

### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H)	D.C.R. ( $\Omega$ , 25°C) Max.(Typ.)	RATED CURRENT Max. (A)		S.R.F (Typ.)
				Idc1	Idc2	
DA75-100K	100	10 $\pm$ 10%	52m(40m)	2.4	2.3	26
DA75-120K	120	12 $\pm$ 10%	61m(46.9m)	2.3	2.0	24
DA75-150K	150	15 $\pm$ 10%	70m(53.7m)	2.2	1.8	22
DA75-180K	180	18 $\pm$ 10%	80m(61.5m)	2.1	1.6	20
DA75-220K	220	22 $\pm$ 10%	89m(68.2m)	1.9	1.5	19
DA75-270K	270	27 $\pm$ 10%	120m(83.5m)	1.8	1.3	13
DA75-330K	330	33 $\pm$ 10%	130m(93m)	1.7	1.2	12
DA75-390K	390	39 $\pm$ 10%	160m(127m)	1.5	1.1	12
DA75-470K	470	47 $\pm$ 10%	180m(135m)	1.4	1.1	12
DA75-560K	560	56 $\pm$ 10%	240m(177m)	1.2	0.94	10
DA75-680K	680	68 $\pm$ 10%	280m(208m)	1.1	0.85	10
DA75-820K	820	82 $\pm$ 10%	370m(271m)	1.0	0.78	9
DA75-101K	101	100 $\pm$ 10%	430m(310m)	0.90	0.72	8
DA75-121K	121	120 $\pm$ 10%	470m(346m)	0.80	0.66	8
DA75-151K	151	150 $\pm$ 10%	640m(491m)	0.70	0.58	6
DA75-181K	181	180 $\pm$ 10%	710m(551m)	0.65	0.51	6
DA75-221K	221	220 $\pm$ 10%	960m(714m)	0.60	0.49	5
DA75-271K	271	270 $\pm$ 10%	1.11(821m)	0.55	0.42	5
DA75-331K	331	330 $\pm$ 10%	1.26(979m)	0.50	0.40	4
DA75-391K	391	390 $\pm$ 10%	1.77(1265m)	0.45	0.36	4
DA75-471K	471	470 $\pm$ 10%	1.96(1421m)	0.42	0.34	4

### DIMENSION (UNIT:mm)



\* RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

# POWER INDUCTORS SMD SERIES

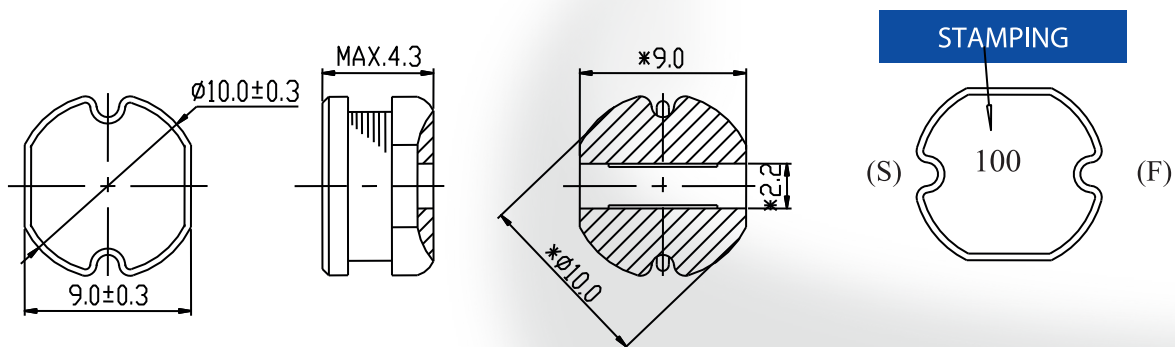
## DA104 Series

### TYPE DA104

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ ) MAX.	RATED CURRENT Max. (A)※
DA104-100M	100	10 $\pm$ 20%	50	2.38
DA104-120M	120	12 $\pm$ 20%	60	2.13
DA104-150M	150	15 $\pm$ 20%	70	1.87
DA104-180M	180	18 $\pm$ 20%	80	1.73
DA104-220M	220	22 $\pm$ 20%	90	1.60
DA104-270M	270	27 $\pm$ 20%	100	1.44
DA104-330M	330	33 $\pm$ 20%	120	1.26
DA104-390M	390	39 $\pm$ 20%	150	1.20
DA104-470M	470	47 $\pm$ 20%	170	1.10
DA104-560K	560	56 $\pm$ 10%	200	1.01
DA104-680K	680	68 $\pm$ 10%	220	0.91
DA104-820K	820	82 $\pm$ 10%	250	0.85
DA104-101K	101	100 $\pm$ 10%	340	0.74
DA104-121K	121	120 $\pm$ 10%	400	0.69
DA104-151K	151	150 $\pm$ 10%	540	0.61
DA104-181K	181	180 $\pm$ 10%	620	0.56
DA104-221K	221	220 $\pm$ 10%	720	0.53
DA104-271K	271	270 $\pm$ 10%	950	0.45
DA104-331K	331	330 $\pm$ 10%	1100	0.42
DA104-391K	391	390 $\pm$ 10%	1240	0.38
DA104-471K	471	470 $\pm$ 10%	1530	0.35
DA104-561K	561	560 $\pm$ 10%	1900	0.32

#### DIMENSION (UNIT:mm)



※ RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

# POWER INDUCTORS SMD SERIES

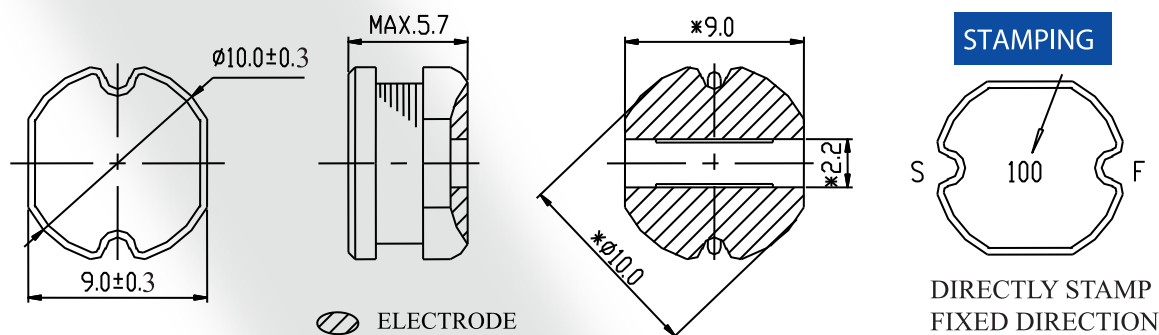
## DA105 Series

TYPE DA105

### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ ) MAX.	RATED CURRENT Max. (A) ※	SRF (MHz) (TYP)
DA105-100M	100	10 $\pm$ 20%	40m	3.50	27
DA105-120M	120	12 $\pm$ 20%	50m	3.03	23
DA105-150M	150	15 $\pm$ 20%	60m	2.87	20
DA105-180M	180	18 $\pm$ 20%	70m	2.48	18
DA105-220M	220	22 $\pm$ 20%	80m	2.32	17
DA105-270M	270	27 $\pm$ 20%	100m	2.06	14
DA105-330M	330	33 $\pm$ 20%	110m	1.82	13
DA105-390M	390	39 $\pm$ 20%	120m	1.68	12
DA105-470K	470	47 $\pm$ 10%	150m	1.54	10
DA105-560K	560	56 $\pm$ 10%	170m	1.44	9
DA105-680K	680	68 $\pm$ 10%	210m	1.27	9
DA105-820K	820	82 $\pm$ 10%	240m	1.18	8
DA105-101K	101	100 $\pm$ 10%	330m	1.05	7
DA105-121K	121	120 $\pm$ 10%	370m	0.95	6
DA105-151K	151	150 $\pm$ 10%	430m	0.88	6
DA105-181K	181	180 $\pm$ 10%	580m	0.79	5
DA105-221K	221	220 $\pm$ 10%	650m	0.73	5
DA105-271K	271	270 $\pm$ 10%	880m	0.64	4
DA105-331K	331	330 $\pm$ 10%	1.05	0.60	4
DA105-391K	391	390 $\pm$ 10%	1.20	0.54	4
DA105-471K	471	470 $\pm$ 10%	1.30	0.50	3
DA105-561K	561	560 $\pm$ 10%	1.70	0.46	3
DA105-681K	681	680 $\pm$ 10%	2.00	0.42	3
DA105-821K	821	820 $\pm$ 10%	2.25	0.39	3

### DIMENSION (UNIT:mm)



※ RATED CURRENT: THE VALUE OF DIRECT CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN IT'S INITIAL VALUE AT DC SUPERPOSITION OR WHEN COIL TEMPERATURE RISE BY=40°C, WHICHEVER IS SMALLER. (Ta= 20°C)

# POWER INDUCTORS SMD SERIES

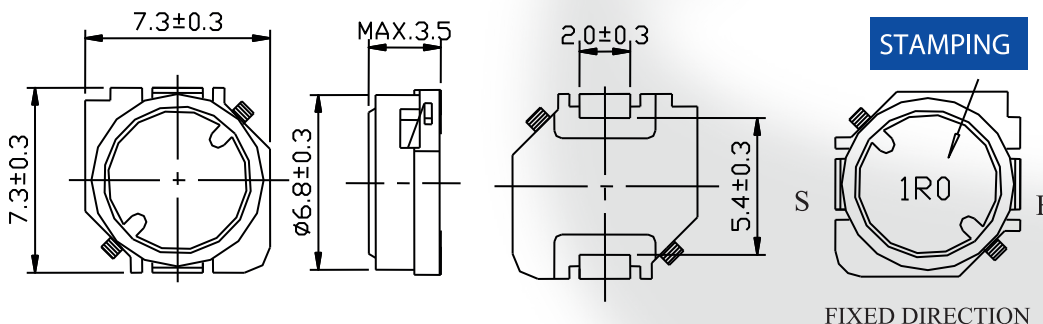
## SD73 Series

### TYPE SD73

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ ) Max.	RATED CURRENT Max. (A)	
				Idc1	Idc2
SD73-1R0M	1R0	1.0 $\pm$ 20%	25m	3.5	3.2
SD73-1R5M	1R5	1.5 $\pm$ 20%	31m	2.9	2.9
SD73-1R8M	1R8	1.8 $\pm$ 20%	35m	2.5	2.6
SD73-2R7M	2R7	2.7 $\pm$ 20%	42m	2.1	2.2
SD73-3R3M	3R3	3.3 $\pm$ 20%	48m	1.8	2.1
SD73-3R9M	3R9	3.9 $\pm$ 20%	55m	1.7	2.0
SD73-4R7M	4R7	4.7 $\pm$ 20%	61m	1.5	1.9
SD73-5R6M	5R6	5.6 $\pm$ 20%	68m	1.3	1.8
SD73-6R8M	6R8	6.8 $\pm$ 20%	74m	1.1	1.7
SD73-8R2M	8R2	8.2 $\pm$ 20%	81m	1.0	1.6
SD73-100M	100	10 $\pm$ 20%	94m	0.96	1.5
SD73-120M	120	12 $\pm$ 20%	0.10	0.88	1.4
SD73-150M	150	15 $\pm$ 20%	0.13	0.80	1.3
SD73-180M	180	18 $\pm$ 20%	0.16	0.76	1.1
SD73-220M	220	22 $\pm$ 20%	0.18	0.72	1.0
SD73-270M	270	27 $\pm$ 20%	0.24	0.68	0.96
SD73-330M	330	33 $\pm$ 20%	0.26	0.64	0.88
SD73-390M	390	39 $\pm$ 20%	0.30	0.60	0.80
SD73-470M	470	47 $\pm$ 20%	0.35	0.58	0.76
SD73-560M	560	56 $\pm$ 20%	0.44	0.54	0.68
SD73-680M	680	68 $\pm$ 20%	0.54	0.52	0.64
SD73-820M	820	82 $\pm$ 20%	0.59	0.46	0.58
SD73-101M	101	100 $\pm$ 20%	0.74	0.43	0.51
SD73-121M	121	120 $\pm$ 20%	0.94	0.36	0.46
SD73-151M	151	150 $\pm$ 20%	1.2	0.34	0.40
SD73-181M	181	180 $\pm$ 20%	1.4	0.32	0.38
SD73-221M	221	220 $\pm$ 20%	1.9	0.28	0.32
SD73-271M	271	270 $\pm$ 20%	2.3	0.22	0.29

#### DIMENSION (UNIT:mm)



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

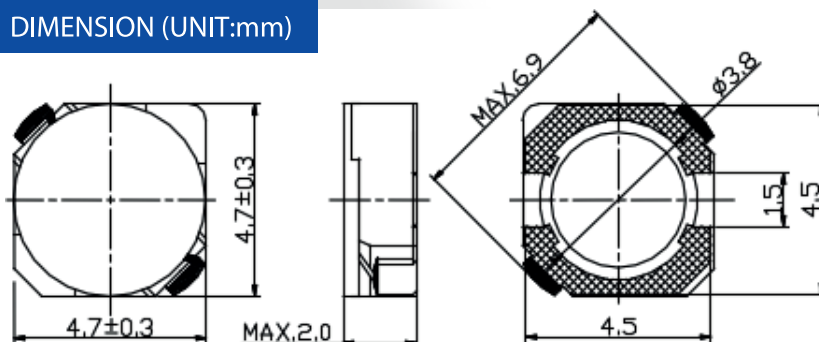
## DRH4D18 Series

TYPE DRH4D18

### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ )	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D18-1R0N	1R0	1.0 $\pm$ 30%	35	2.46	2.34
DRH4D18-1R8N	1R8	1.8 $\pm$ 30%	45	1.92	2.29
DRH4D18-2R3N	2R3	2.3 $\pm$ 30%	52	1.56	1.87
DRH4D18-3R1N	3R1	3.1 $\pm$ 30%	70	1.44	1.53
DRH4D18-3R7N	3R7	3.7 $\pm$ 30%	79	1.40	1.38
DRH4D18-4R7N	4R7	4.7 $\pm$ 30%	117	1.24	1.1
DRH4D18-5R6N	5R6	5.6 $\pm$ 30%	130	1.12	1.1
DRH4D18-6R4N	6R4	6.4 $\pm$ 30%	134	1.06	1.02
DRH4D18-7R2N	7R2	7.2 $\pm$ 30%	142	0.99	1.01
DRH4D18-9R5N	9R5	9.5 $\pm$ 30%	192	0.91	0.95
DRH4D18-100M	100	10 $\pm$ 20%	174	0.82	0.95
DRH4D18-120M	120	12 $\pm$ 20%	183	0.79	0.80
DRH4D18-150M	150	15 $\pm$ 20%	210	0.67	0.68
DRH4D18-180M	180	18 $\pm$ 20%	294	0.62	0.67
DRH4D18-220M	220	22 $\pm$ 20%	346	0.59	0.63
DRH4D18-270M	270	27 $\pm$ 20%	396	0.55	0.61
DRH4D18-330M	330	33 $\pm$ 20%	565	0.48	0.54
DRH4D18-390M	390	39 $\pm$ 20%	614	0.42	0.46
DRH4D18-470M	470	47 $\pm$ 20%	798	0.40	0.41
DRH4D18-560M	560	56 $\pm$ 20%	912	0.36	0.41
DRH4D18-680M	680	68 $\pm$ 20%	1153	0.33	0.31
DRH4D18-820M	820	82 $\pm$ 20%	1329	0.31	0.31
DRH4D18-101M	101	100 $\pm$ 20%	1514	0.29	0.28
DRH4D18-121M	121	120 $\pm$ 20%	1983	0.28	0.25
DRH4D18-151M	151	150 $\pm$ 20%	2292	0.21	0.25
DRH4D18-181M	181	180 $\pm$ 20%	3200	0.21	0.19

DIMENSION (UNIT:mm)



STAMPING



NOT INCLUDING THE DIMENSIONS OF TERMINAL.

\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

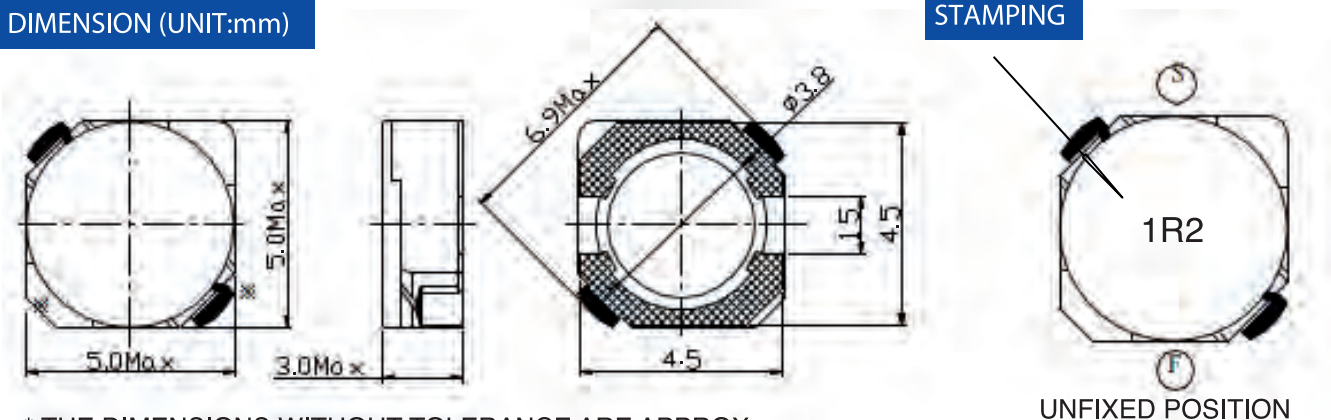
## DRH4D28 Series

### TYPE DRH4D28

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ ) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH4D28-1R2N	1R2	1.2 $\pm$ 30%	17.0	3.52	3.63
DRH4D28-1R8N	1R8	1.8 $\pm$ 30%	19.8	2.87	3.13
DRH4D28-2R2N	2R2	2.2 $\pm$ 30%	23.1	2.72	3.08
DRH4D28-2R7N	2R7	2.7 $\pm$ 30%	26.3	2.56	3.00
DRH4D28-3R6N	3R6	3.6 $\pm$ 30%	35.6	2.39	2.42
DRH4D28-4R4N	4R4	4.4 $\pm$ 30%	40.3	1.99	2.24
DRH4D28-5R1N	5R1	5.1 $\pm$ 30%	44.2	1.80	2.14
DRH4D28-6R4N	6R4	6.4 $\pm$ 30%	59.7	1.56	1.86
DRH4D28-7R4N	7R4	7.4 $\pm$ 30%	64.9	1.46	1.81
DRH4D28-8R2N	8R2	8.2 $\pm$ 30%	87.9	1.40	1.43
DRH4D28-100M	100	10 $\pm$ 20% 94.1	1.35	1.38	
DRH4D28-120M	120	12 $\pm$ 20% 108	1.15	1.32	
DRH4D28-150M	150	15 $\pm$ 20% 118	1.02	1.25	
DRH4D28-180M	180	18 $\pm$ 20% 127	0.95	1.16	
DRH4D28-220M	220	22 $\pm$ 20% 205	0.87	0.89	
DRH4D28-270M	270	27 $\pm$ 20% 234	0.79	0.86	
DRH4D28-330M	330	33 $\pm$ 20% 286	0.68	0.79	
DRH4D28-390M	390	39 $\pm$ 20% 309	0.65	0.74	
DRH4D28-470M	470	47 $\pm$ 20% 400	0.59	0.66	
DRH4D28-560M	560	56 $\pm$ 20% 430	0.54	0.62	
DRH4D28-680M	680	68 $\pm$ 20% 611	0.49	0.50	
DRH4D28-820M	820	82 $\pm$ 20% 677	0.46	0.50	
DRH4D28-101M	101	100 $\pm$ 20%	743	0.42	0.50
DRH4D28-121M	121	120 $\pm$ 20%	1040	0.37	0.38
DRH4D28-151M	151	150 $\pm$ 20%	1150	0.32	0.36
DRH4D28-181M	181	180 $\pm$ 20%	1302	0.30	0.35

#### DIMENSION (UNIT:mm)



\* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.  
\* NOT INCLUDING THE DIMENSIONS OF TERMINAL.

\* Idc1: CORE SATURATION CURRENT  
\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

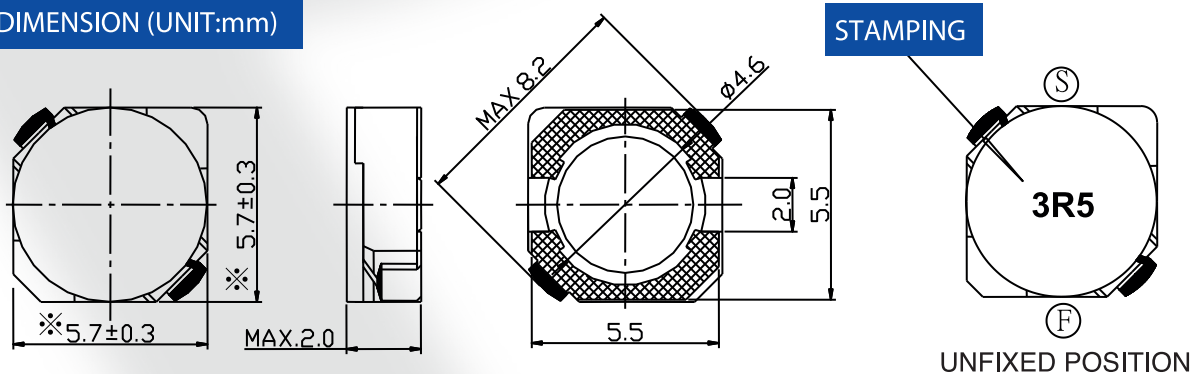
## DRH5D18 Series

TYPE DRH5D18

### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ ) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D18-3R5N	3R5	3.5 $\pm$ 30%	40.4	1.97	2.20
DRH5D18-4R2N	4R2	4.2 $\pm$ 30%	53.4	1.85	2.12
DRH5D18-5R4N	5R4	5.4 $\pm$ 30%	69.1	1.61	1.88
DRH5D18-6R5N	6R5	6.5 $\pm$ 30%	76.7	1.46	1.82
DRH5D18-7R9N	7R9	7.9 $\pm$ 30%	101	1.33	1.50
DRH5D18-100M	100	10 $\pm$ 20%	118	1.20	1.39
DRH5D18-120M	120	12 $\pm$ 20%	129	1.10	1.31
DRH5D18-150M	150	15 $\pm$ 20%	150	0.97	1.12
DRH5D18-180M	180	18 $\pm$ 20%	186	0.89	1.09
DRH5D18-220M	220	22 $\pm$ 20%	228	0.80	0.90
DRH5D18-270M	270	27 $\pm$ 20%	281	0.75	0.83
DRH5D18-330M	330	33 $\pm$ 20%	327	0.65	0.79
DRH5D18-390M	390	39 $\pm$ 20%	454	0.57	0.64
DRH5D18-470M	470	47 $\pm$ 20%	515	0.55	0.60
DRH5D18-560M	560	56 $\pm$ 20%	577	0.50	0.55
DRH5D18-680M	680	68 $\pm$ 20%	664	0.46	0.54
DRH5D18-820M	820	82 $\pm$ 20%	900	0.41	0.45
DRH5D18-101M	101	100 $\pm$ 20%	967	0.36	0.44
DRH5D18-121M	121	120 $\pm$ 20%	1124	0.35	0.43

### DIMENSION (UNIT:mm)



\* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.  
\* NOT INCLUDING THE DIMENSIONS OF TERMINAL.

\* Idc1: CORE SATURATION CURRENT  
\* Idc2: MAX. WIRE CURRENT



# POWER INDUCTORS SMD SERIES

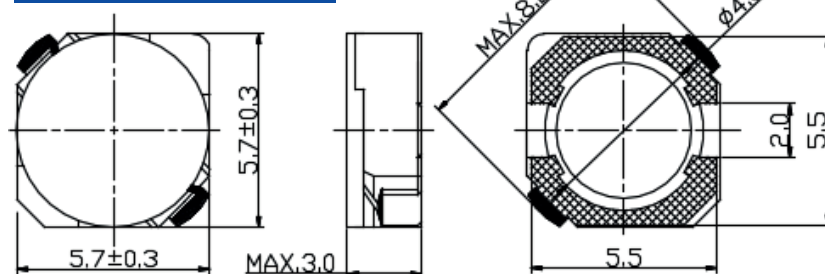
## DRH5D28 Series

### TYPE DRH5D28

#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. (m $\Omega$ ) Max.	RATED CURRENT Max. (A)	
				Idc1 Max.	Idc2 Max.
DRH5D28-2R7M	2R7	2.7 $\pm$ 30%	19.7	2.77	3.68
DRH5D28-3R3M	3R3	3.3 $\pm$ 30%	23.2	2.45	3.40
DRH5D28-4R2M	4R2	4.2 $\pm$ 30%	26.1	2.20	2.94
DRH5D28-5R1M	5R1	5.1 $\pm$ 30%	30.2	2.00	2.92
DRH5D28-6R2M	6R2	6.2 $\pm$ 30%	40.9	1.80	2.38
DRH5D28-8R5M	8R5	8.5 $\pm$ 30%	48.8	1.55	2.06
DRH5D28-100M	100	10 $\pm$ 20%	58.5	1.30	1.90
DRH5D28-120M	120	12 $\pm$ 20%	68.9	1.20	1.61
DRH5D28-150M	150	15 $\pm$ 20%	87.9	1.12	1.43
DRH5D28-180M	180	18 $\pm$ 20%	93.0	1.00	1.39
DRH5D28-220M	220	22 $\pm$ 20%	105	0.91	1.24
DRH5D28-270M	270	27 $\pm$ 20%	152	0.85	1.01
DRH5D28-330M	330	33 $\pm$ 20%	167	0.75	0.98
DRH5D28-390M	390	39 $\pm$ 20%	184	0.70	0.98
DRH5D28-470M	470	47 $\pm$ 20%	200	0.62	0.87
DRH5D28-560M	560	56 $\pm$ 20%	263	0.58	0.72
DRH5D28-680M	680	68 $\pm$ 20%	298	0.52	0.66
DRH5D28-820M	820	82 $\pm$ 20%	389	0.46	0.61
DRH5D28-101M	101	100 $\pm$ 20%	437	0.42	0.60
DRH5D28-121M	121	120 $\pm$ 20%	604	0.37	0.49
DRH5D28-151M	151	150 $\pm$ 20%	682	0.33	0.49
DRH5D28-181M	181	180 $\pm$ 20%	779	0.30	0.47
DRH5D28-221M	221	220 $\pm$ 20%	1166	0.28	0.37
DRH5D28-271M	271	270 $\pm$ 20%	1172	0.25	0.35
DRH5D28-331M	331	330 $\pm$ 20%	1669	0.22	0.28
DRH5D28-391M	391	390 $\pm$ 20%	1852	0.20	0.27
DRH5D28-471M	471	470 $\pm$ 20%	2076	0.19	0.27
DRH5D28-561M	561	560 $\pm$ 20%	2337	0.17	0.24

#### DIMENSION (UNIT:mm)



#### STAMPING



UNFIXED POSITION

\* THE DIMENSIONS WITHOUT TOLERANCE ARE APPROX.  
\* NOT INCLUDING THE DIMENSIONS OF TERMINAL.

\* Idc1: CORE SATURATION CURRENT  
\* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

## DA32 Series

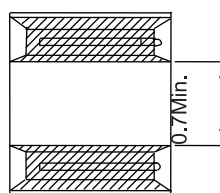
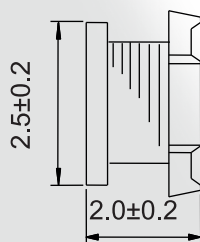
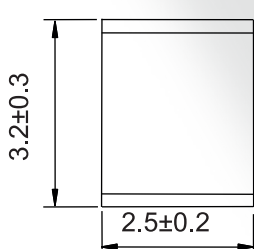
TYPE DA32

### ELECTRICAL CHARACTERISTICS

PART NUMBER	INDUCTANCE WITHIN		D.C.R. (Ω) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
	L (μH)	TOLERANCE		Idc1	Idc2	
DA32-R27M	0.27	M	0.025	3.50	2.90	280
DA32-R75M	0.75		0.050	2.00	1.80	130
DA32-1R0M	1.0		0.060	1.70	1.80	120
DA32-1R5M	1.5		0.085	1.40	1.45	100
DA32-1R8M	1.8		0.09	1.30	1.45	90
DA32-2R2M	2.2		0.11	1.20	1.30	70
DA32-2R7M	2.7		0.12	1.10	1.20	65
DA32-3R3M	3.3		0.14	0.95	1.10	60
DA32-3R9M	3.9		0.18	0.90	1.00	55
DA32-4R7M	4.7		0.20	0.80	0.88	50
DA32-5R6M	5.6		0.22	0.75	0.88	43
DA32-6R8M	6.8		0.33	0.68	0.65	42
DA32-8R2M	8.2		0.35	0.63	0.65	40
DA32-100M	10.0		0.50	0.53	0.50	35
DA32-150M	15.0		0.65	0.46	0.46	30
DA32-180M	18.0		0.70	0.42	0.44	25
DA32-220M	22.0	1.00	0.38	0.40	22	
DA32-270M	27.0	1.10	0.34	0.38	20	
DA32-330M	33.0	K, M	1.55	0.30	0.32	18
DA32-390M	39.0		1.75	0.29	0.30	17
DA32-470M	47.0		2.40	0.25	0.24	14
DA32-560M	56.0		2.50	0.24	0.23	13
DA32-680M	68.0		3.10	0.22	0.22	12
DA32-820M	82.0		3.50	0.16	0.22	11
DA32-101K	100.0	K	5.00	0.15	0.15	11
DA32-121K	120.0		5.50	0.13	0.14	9
DA32-151K	150.0		6.50	0.12	0.14	8
DA32-181K	180.0		9.00	0.11	0.11	7
DA32-221K	220.0		10.0	0.11	0.11	6

M: ±20%, K: ±10%

### DIMENSION (UNIT:mm)



- \* Idc1: CORE SATURATION CURRENT
- \* Idc2: MAX. WIRE CURRENT

# POWER INDUCTORS SMD SERIES

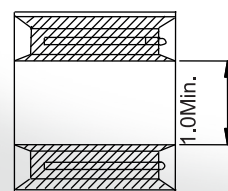
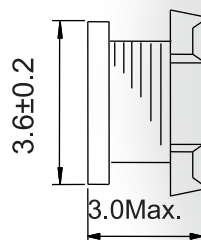
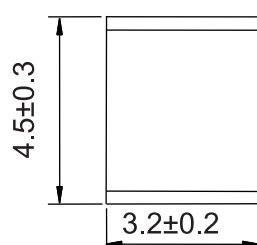
## DA43 Series

### TYPE DA43

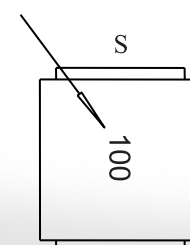
#### ELECTRICAL CHARACTERISTICS

PART NUMBER	STAMP	INDUCTANCE ( $\mu$ H) Within	D.C.R. ( $\Omega$ ) Max.	RATED CURRENT Max. (A)		SRF (MHz) Typ.
				Idc1	Idc2	
DA43-1R0M	1R0	1.0 $\pm$ 20%	0.05	4.50	2.00	100.0
DA43-1R5M	1R5	1.5 $\pm$ 20%	0.06	3.80	1.45	85.0
DA43-2R2M	2R2	2.2 $\pm$ 20%	0.07	3.20	1.30	60.0
DA43-3R3M	3R3	3.3 $\pm$ 20%	0.12	2.50	0.95	47.0
DA43-4R7M	4R7	4.7 $\pm$ 20%	0.14	2.20	0.90	35.0
DA43-6R8M	6R8	6.8 $\pm$ 20%	0.22	1.80	0.70	30.0
DA43-100K	100	10.0 $\pm$ 10%	0.28	1.40	0.70	23.0
DA43-150K	150	15.0 $\pm$ 10%	0.36	1.20	0.50	20.0
DA43-220K	220	22.0 $\pm$ 10%	0.60	1.00	0.47	15.0
DA43-270K	270	27.0 $\pm$ 10%	0.75	0.90	0.41	13.5
DA43-330K	330	33.0 $\pm$ 10%	1.00	0.80	0.36	12.0
DA43-470K	470	47.0 $\pm$ 10%	1.30	0.70	0.34	10.0
DA43-560K	560	56.0 $\pm$ 10%	1.90	0.60	0.30	9.0
DA43-680K	680	68.0 $\pm$ 10%	2.20	0.55	0.24	8.4
DA43-101K	101	100.0 $\pm$ 10%	2.80	0.45	0.20	6.8
DA43-121K	121	120.0 $\pm$ 10%	3.50	0.40	0.18	6.2
DA43-151K	151	150.0 $\pm$ 10%	4.30	0.35	0.18	5.5
DA43-181K	181	180.0 $\pm$ 10%	5.00	0.33	0.16	5.0
DA43-221K	221	220.0 $\pm$ 10%	7.00	0.30	0.14	4.5
DA43-331K	331	330.0 $\pm$ 10%	9.00	0.22	0.13	3.6
DA43-471K	471	470.0 $\pm$ 10%	13.00	0.20	0.10	3.0
DA43-561K	561	560.0 $\pm$ 10%	15.00	0.19	0.10	2.8
DA43-681K	681	680.0 $\pm$ 10%	16.00	0.18	0.09	2.5
DA43-821K	821	820.0 $\pm$ 10%	18.50	0.17	0.09	2.2
DA43-102K	102	1000.0 $\pm$ 10%	24.00	0.15	0.08	2.0

#### DIMENSION (UNIT:mm)



#### STAMPING



\* Idc1: CORE SATURATION CURRENT

\* Idc2: MAX. WIRE CURRENT



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