

Shielded Power Inductors CDRI-**F Series

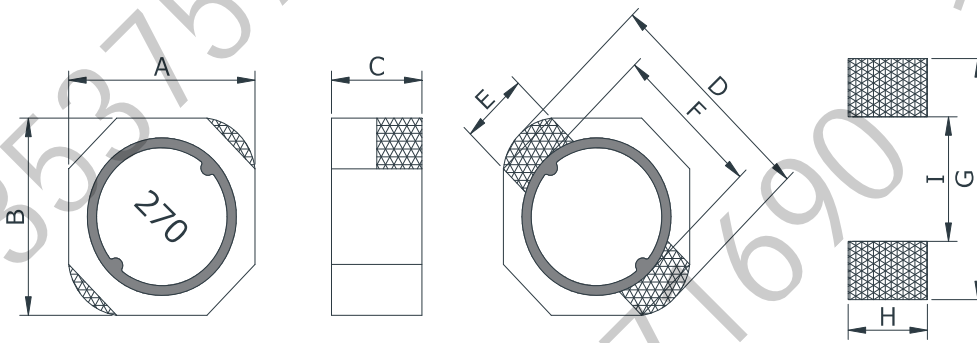
Product Identification:

CDRI - **3018** **F** - **1R5** **N**
(1) (2) (3) (4) (5)



- (1) Series
- (2) Dimensions(L*H)
- (3) Type
- (4) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (5) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)
CDRI-3018F	3.9±0.3	3.9±0.3	1.8Max	4.5Max	1.7Typ	3.2Typ	5.0Typ	2.0Typ	3.0Typ
CDRI-5020F	5.0±0.3	5.0±0.3	2.0Max	6.2Max	1.7Typ	4.2Typ	6.0Typ	2.0Typ	4.0Typ
CDRI-5030F	5.0±0.3	5.0±0.3	3.0Max	6.2Max	1.7Typ	4.2Typ	6.0Typ	2.0Typ	4.0Typ

Shielded Power Inductors CDRI-3018F Series

ELECTRICAL CHARACTERISTIC:

Part Number	INDUCTANCE (uH)	TEST FREQ. (Hz)	DCR (mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-3018F-1R0N	1.0 ±30%	100K/0.25V	45	1.24	1.98	1R0
CDRI-3018F-1R5N	1.5 ±30%	100K/0.25V	56	1.11	1.82	1R5
CDRI-3018F-2R2N	2.2 ±30%	100K/0.25V	80	0.91	1.58	2R2
CDRI-3018F-2R5N	2.5 ±30%	100K/0.25V	80	0.80	1.52	2R5
CDRI-3018F-3R3N	3.3 ±30%	100K/0.25V	110	0.79	1.40	3R3

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A ≤ 30% MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors CDRI-3018F Series

ELECTRICAL CHARACTERISTIC:

Part Number	INDUCTANCE (uH)	TEST FREQ. (Hz)	DCR (mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-3018F-4R7N	4.7 ±30%	100K/0.25V	126	0.64	1.12	4R7
CDRI-3018F-5R6N	5.6 ±30%	100K/0.25V	170	0.55	1.02	5R6
CDRI-3018F-6R8N	6.8 ±30%	100K/0.25V	205	0.54	0.79	6R8
CDRI-3018F-8R2N	8.2 ±30%	100K/0.25V	265	0.45	0.78	8R2
CDRI-3018F-100M	10.0 ±20%	100K/0.25V	290	0.44	0.75	100
CDRI-3018F-120M	12.0 ±20%	100K/0.25V	400	0.38	0.65	120
CDRI-3018F-150M	15.0 ±20%	100K/0.25V	545	0.33	0.58	150
CDRI-3018F-180M	18.0 ±20%	100K/0.25V	615	0.31	0.54	180
CDRI-3018F-220M	22.0 ±20%	100K/0.25V	680	0.29	0.44	220
CDRI-3018F-270M	27.0 ±20%	100K/0.25V	800	0.24	0.38	270

Shielded Power Inductors CDRI-5020F Series

ELECTRICAL CHARACTERISTIC:

Part Number	INDUCTANCE (uH)	TEST FREQ. (Hz)	DCR (mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-5020F-1R2N	1.2 ±30%	100K/0.25V	44	2.15	2.87	1R2
CDRI-5020F-2R2N	2.2 ±30%	100K/0.25V	59	1.63	2.06	2R2
CDRI-5020F-3R5N	3.5 ±30%	100K/0.25V	73	1.34	1.82	3R5
CDRI-5020F-4R7N	4.7 ±30%	100K/0.25V	87	1.14	1.54	4R7
CDRI-5020F-6R8N	6.8 ±30%	100K/0.25V	105	0.95	1.38	6R8
CDRI-5020F-100M	10.0 ±20%	100K/0.25V	150	0.76	1.10	100
CDRI-5020F-150M	15.0 ±20%	100K/0.25V	210	0.63	0.91	150
CDRI-5020F-220M	22.0 ±20%	100K/0.25V	275	0.56	0.83	220
CDRI-5020F-330M	33.0 ±20%	100K/0.25V	455	0.44	0.61	330
CDRI-5020F-470M	47.0 ±20%	100K/0.25V	730	0.36	0.45	470
CDRI-5020F-680M	68.0 ±20%	100K/0.25V	935	0.30	0.42	680
CDRI-5020F-101M	100.0 ±20%	100K/0.25V	1500	0.23	0.31	101

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & $\Delta L/L0A \leq 30\%$ MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors CDRI-5030F Series

ELECTRICAL CHARACTERISTIC:

Part Number	INDUCTANCE (uH)	TEST FREQ. (Hz)	DCR (mΩ) Max.	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-5030F-1R1N	1.1 ±30%	100K/0.25V	20	3.87	4.07	1R1
CDRI-5030F-2R0N	2.0 ±30%	100K/0.25V	27	2.92	3.30	2R0
CDRI-5030F-3R3N	3.3 ±30%	100K/0.25V	34	2.36	2.83	3R3
CDRI-5030F-4R7N	4.7 ±30%	100K/0.25V	45	1.87	2.51	4R7
CDRI-5030F-6R8N	6.8 ±30%	100K/0.25V	68	1.51	2.06	6R8
CDRI-5030F-100M	10.0 ±20%	100K/0.25V	90	1.33	1.76	100
CDRI-5030F-150M	15.0 ±20%	100K/0.25V	142	1.05	1.37	150
CDRI-5030F-220M	22.0 ±20%	100K/0.25V	208	0.86	1.01	220
CDRI-5030F-330M	33.0 ±20%	100K/0.25V	257	0.72	0.94	330
CDRI-5030F-470M	47.0 ±20%	100K/0.25V	352	0.62	0.80	470
CDRI-5030F-680M	68.0 ±20%	100K/0.25V	525	0.51	0.65	680
CDRI-5030F-101M	100.0 ±20%	100K/0.25V	801	0.43	0.55	101

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & $\Delta L/L0A \leq 30\%$ MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2