

CDRH127

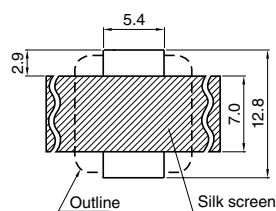
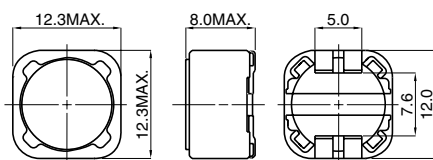
DIMENSIONS(mm)

LAND PATTERNS(mm)

CONSTRUCTION



(1.2μH – 1.0mH)



* In order to prevent short-circuiting, a silk screen is recommended.

CDRH127/LD

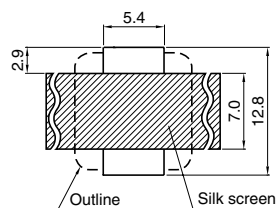
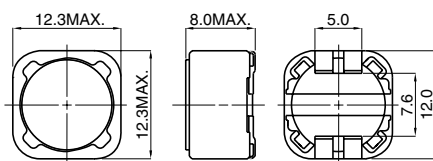
DIMENSIONS(mm)

LAND PATTERNS(mm)

CONSTRUCTION

NEW


(1.0μH – 1.0mH)



* In order to prevent short-circuiting, a silk screen is recommended.

CDDR157

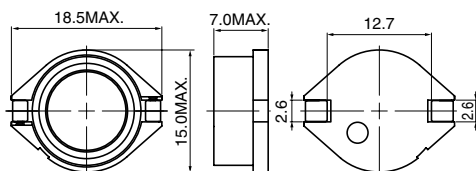
DIMENSIONS(mm)

LAND PATTERNS(mm)

CONSTRUCTION

NEW


(1.3μH – 1.0mH)



■ TYPE CDRH127, CDRH127/LD, CDRR157

Parts No.	L (H)	CDRH127		CDRH127/LD		CDRR157		
		D.C.R. (Ω): Max.	Rated Current (A) *5	D.C.R. (Ω): Max. (Typ.)	Rated Current (A) *5	D.C.R. (Ω): Max. (Typ.)	Saturation Rated Current (A) *A	Temperature Rise Current (Typ.) (A) *IV
1R0	1.0μ			6.5m (5.0m)	14.0			
1R2	1.2μ	7.0m (5.2m)	9.80					
1R3	1.3μ					5.7m (4.5m)	17.0	9.2
2R0	2.0μ					7.0m (5.6m)	13.4	9.0
2R4	2.4μ	11.5m (8.5m)	8.00	10.5m (8.1m)	10.3			
2R7	2.7μ					8.3m (6.6m)	12.0	8.0
3R3	3.3μ					9.6m (7.7m)	10.8	7.5
3R5	3.5μ	13.5m (10.0m)	7.50	12.4m (9.5m)	9.30			
4R6	4.6μ			13.8m (10.6m)	9.10			
4R7	4.7μ	15.8m (11.7m)	6.80			12.9m (10.3m)	9.2	6.5
5R8	5.8μ			16.2m (12.4m)	8.60			
6R1	6.1μ	17.6m (13.0m)	6.60					
6R8	6.8μ					16.5m (13.2m)	7.6	6.0
7R4	7.4μ			17.7m (13.6m)	7.40			
7R6	7.6μ	20.0m (15.0m)	5.90					
100	10μ	21.6m (16.0m)	5.40	19.5m (15.0m)	6.70	25.0m (20.0m)	6.4	5.0
120	12μ	24.3m (18.0m)	4.90	21.3m (16.4m)	6.45			
150	15μ	27.0m (20.0m)	4.50	26.4m (20.3m)	5.65	37.5m (30.0m)	5.0	3.8
180	18μ	39.2m (29.0m)	3.90	28.0m (21.5m)	5.10			
220	22μ	43.2m (32.0m)	3.60	36.4m (28.0m)	4.70	47.0m (37.5m)	4.2	3.5
270	27μ	45.9m (34.0m)	3.40	41.6m (32.0m)	4.20			
330	33μ	64.8m (48.0m)	3.00	53.3m (41.0m)	3.90	69.0m (55.0m)	3.5	2.7
390	39μ	72.9m (54.0m)	2.75	60.5m (46.5m)	3.50			
470	47μ	100m (76.0m)	2.50	78.0m (60.0m)	3.25	105.0m (84.0m)	2.9	2.0
560	56μ	110m (83.0m)	2.35	90.0m (69.0m)	2.90			
680	68μ	140m (100m)	2.10	120m (92.0m)	2.60	166.0m (133m)	2.4	1.6
820	82μ	160m (120m)	1.95	119m (91.0m)	2.40			
101	100μ	220m (170m)	1.70	151m (119m)	2.10	244.0m (195m)	2.0	1.3
121	120μ	250m (180m)	1.60	169m (130m)	1.90			
151	150μ	280m (210m)	1.42	227m (174m)	1.80	330.0m (264m)	1.6	1.1
181	180μ	350m (260m)	1.30	299m (230m)	1.55			
221	220μ	390m (290m)	1.16	338m (260m)	1.45	485.0m (388m)	1.3	900m
271	270μ	560m (420m)	1.06	419m (322m)	1.30	595.0m (475m)	1.2	800m
331	330μ	640m (470m)	950m	471m (362m)	1.20	738.0m (590m)	1.1	700m
391	390μ	700m (520m)	880m	572m (440m)	1.10			
471	470μ	980m (730m)	790m	741m (570m)	1.00	1.000 (800m)	900m	600m
561	560μ	1.07 (790m)	730m	852m (655m)	950m			
681	680μ	1.46 (1.12)	670m	1.13 (870m)	850m	1.544 (1.227)	750m	500m
821	820μ	1.64 (1.26)	600m	1.24 (950m)	750m			
102	1.0m	1.82 (1.40)	550m	1.50 (1.15)	700m	2.388 (1.910)	600m	400m

Measuring Freq. (L)

CDRH127	1.2μH – 7.6μH (100kHz), 10μH – 1.0mH (1kHz)
CDRH127/LD	1.0μH – 7.4μH (100kHz), 10μH – 1.0mH (1kHz)
CDRR157	100kHz

Tolerance of Inductance

CDRH127	1.2μH – 7.6μH $\begin{smallmatrix} +40\% \\ -20\% \end{smallmatrix}$ (M), 10μH – 1.0mH $\pm 20\%$ (M)
CDRH127/LD	1.0μH – 7.4μH $\pm 30\%$ (M), 10μH – 1.0mH $\pm 20\%$ (M)
CDRR157	1.3μH – 1.0mH $\pm 20\%$ (M)

Rated Current

*5 It is either the inductance is 25% lower than its nominal value in D.C. saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.

Other

*A Saturation Rated Current : The current when the inductance becomes 10% lower than its initial value. ($T_a=20^{\circ}\text{C}$)

*IV Temperature Rise Current (Typ.) : The actual current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$)