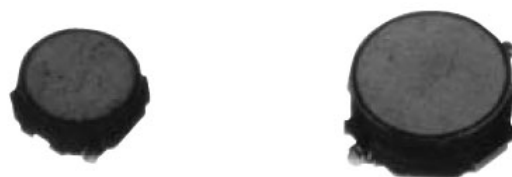


C3-P1.2RA

RoHS AEC-Q200 Semi-Shielded structure

2023/03/22

Outline



Compacts, low-height, and high current power inductor used in digital devices and mobile phones. Several dimensions are available.

Features

1. Low DCR by magnetically shielded structure with magnetic resin.
2. Impact-resistant structure with wider terminals.
3. Non-Solder products by laser welding.

Applications

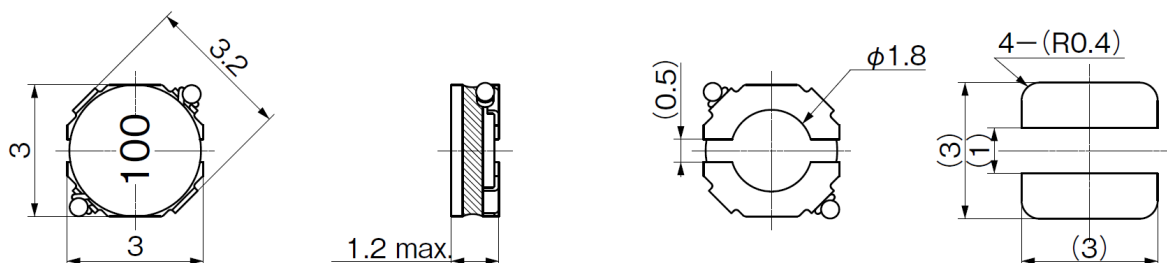
For DC-DC converter power supply of miniature portable devices (mobile phones, portable game equipment, DSC, DVC, etc.).

Dimensions

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mm

Specifications

Size(W) [mm]	Size(D) [mm]	Length(H) Max [mm]	Stamp	Inductance [micro H]	Inductance Tolerance lower limit [%]	Inductance Tolerance upper limit [%]
3.0	3.0	1.2	1R0	1.00	-30	30
3.0	3.0	1.2	1R5	1.50	-30	30
3.0	3.0	1.2	2R2	2.20	-30	30
3.0	3.0	1.2	2R7	2.70	-30	30
3.0	3.0	1.2	3R3	3.30	-30	30
3.0	3.0	1.2	3R9	3.90	-30	30
3.0	3.0	1.2	4R7	4.70	-30	30
3.0	3.0	1.2	5R6	5.60	-30	30
3.0	3.0	1.2	6R8	6.80	-30	30
3.0	3.0	1.2	100	10.00	-20	20
3.0	3.0	1.2	120	12.00	-20	20
3.0	3.0	1.2	150	15.00	-20	20
3.0	3.0	1.2	180	18.00	-20	20
3.0	3.0	1.2	220	22.00	-20	20

Stamp	Inductance Test Freq. [KHz]	DC Resistance [m OHM]	Rated DC CurrentL=-30 percent [A]	Rated DC Current deltaT=40K [A]
1R0	1	65.00	2.00	1.80
1R5	1	85.00	1.70	1.70

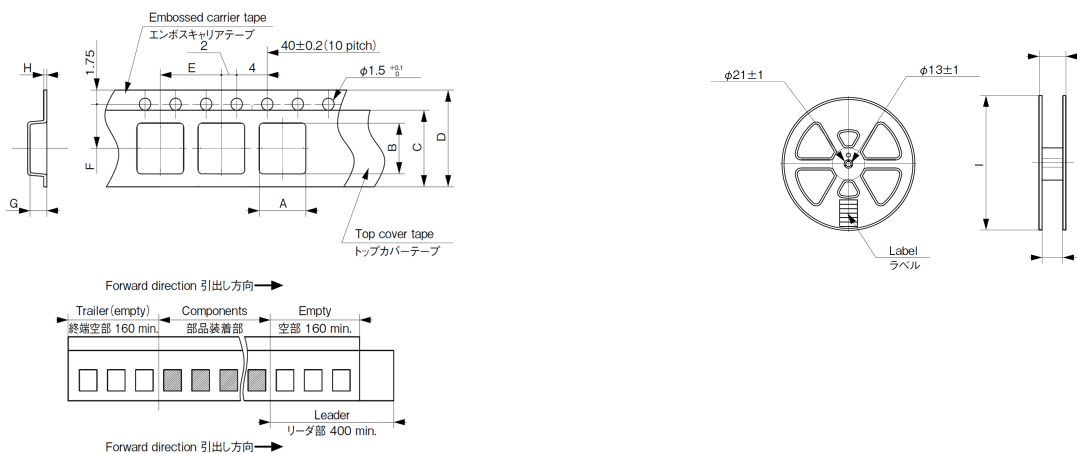
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2R2	1	90.00	1.40	1.50
2R7	1	125.00	1.35	1.35
3R3	1	140.00	1.15	1.20
3R9	1	165.00	1.10	1.15
4R7	1	180.00	1.00	1.10
5R6	1	240.00	0.92	1.00
6R8	1	250.00	0.85	0.95
100	1	390.00	0.64	0.75
120	1	470.00	0.60	0.65
150	1	660.00	0.55	0.60
180	1	750.00	0.52	0.54
220	1	840.00	0.48	0.50

Package Dimension



Q'ty [pcs./reel]	Tape Dimensions A [mm]	Tape Dimensions B [mm]	Tape Dimensions C a [mm]	Tape Dimensions C b [mm]	Tape Dimensions D a [mm]	Tape Dimensions D b [mm]
5000	3.3	3.3	9.5	0.2	12	0.3

Tape Dimensions E a [mm]	Tape Dimensions E b [mm]	Tape Dimensions F a [mm]	Tape Dimensions F b [mm]	Tape Dimensions G a [mm]	Tape Dimensions G b [mm]	Tape Dimensions H a [mm]
8	0.1	5.5	0.1	1.5	1.5	0.3

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Tape Dimensions H b [mm]	Reel Dimensions I a [mm]	Reel Dimensions I b [mm]	Reel Dimensions J b [mm]	Reel Dimensions K a [mm]	Reel Dimensions K b [mm]
0.05	φ 330	φ 2	1	13.5	1