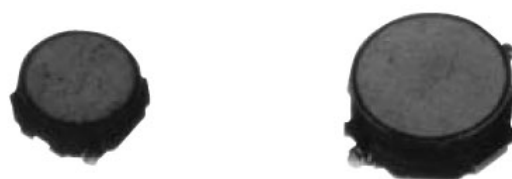


## C3-P1.5R

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

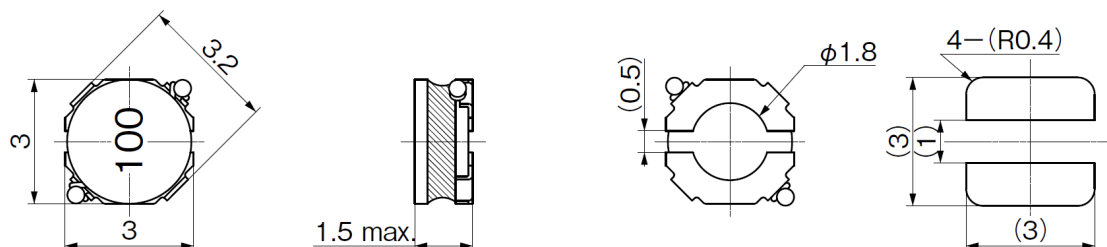
For DC-DC converter power supply of miniature portable devices (mobile phones, portable game equipment, DSC, DVC, etc.).

### Dimensions

## C3-P1.5R

RoHS AEC-Q200 Semi-Shielded structure

2023/03/22



Recommended land patterns

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	1.5	1R5	1.50	-30	30
3.0	3.0	1.5	1R8	1.80	-30	30
3.0	3.0	1.5	2R7	2.70	-30	30
3.0	3.0	1.5	3R3	3.30	-30	30
3.0	3.0	1.5	3R9	3.90	-30	30
3.0	3.0	1.5	4R7	4.70	-30	30
3.0	3.0	1.5	5R6	5.60	-30	30
3.0	3.0	1.5	6R8	6.80	-30	30
3.0	3.0	1.5	8R2	8.20	-30	30
3.0	3.0	1.5	100	10.00	-20	20
3.0	3.0	1.5	120	12.00	-20	20
3.0	3.0	1.5	150	15.00	-20	20
3.0	3.0	1.5	180	18.00	-20	20
3.0	3.0	1.5	220	22.00	-20	20
3.0	3.0	1.5	270	27.00	-20	20
3.0	3.0	1.5	330	33.00	-20	20
3.0	3.0	1.5	390	39.00	-20	20
3.0	3.0	1.5	470	47.00	-20	20

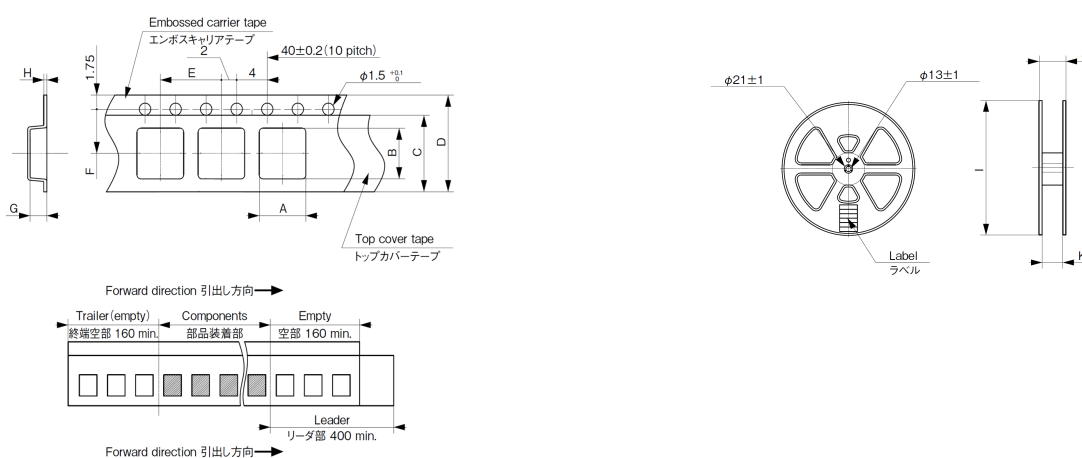
# C3-P1.5R

RoHS AEC-Q200 Semi-Shielded structure

2023/03/22

Stamp	Inductance Test Freq. [KHz]	DC Resistance [m OHM]	Rated DC Current L=-30 percent [A]	Rated DC Current $\Delta T=40K$ [A]
1R5	1	58.00	2.40	2.00
1R8	1	65.00	2.20	1.90
2R7	1	85.00	1.85	1.65
3R3	1	115.00	1.65	1.50
3R9	1	125.00	1.50	1.40
4R7	1	140.00	1.35	1.30
5R6	1	150.00	1.20	1.20
6R8	1	200.00	1.15	1.10
8R2	1	210.00	0.85	1.00
100	1	240.00	0.70	0.90
120	1	280.00	0.63	0.85
150	1	365.00	0.58	0.75
180	1	410.00	0.55	0.70
220	1	555.00	0.47	0.60
270	1	620.00	0.45	0.55
330	1	830.00	0.40	0.52
390	1	940.00	0.35	0.48
470	1	1050.00	0.33	0.45

## Package Dimension



**C3-P1.5R**

RoHS AEC-Q200 Semi-Shielded structure

2023/03/22

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]
4000	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	1.7	1.7	0.3

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