

# LF2020BNP-R522 Datasheet




DiGi Electronics Part Number	LF2020BNP-R522-DG
Manufacturer	<a href="#">Sumida America Components Inc.</a>
Manufacturer Product Number	LF2020BNP-R522
Description	COMMON MODE CHOKE
Detailed Description	5.2 mH @ 1 kHz 2 Line Common Mode Choke Through Hole 1.3A DCR 280mOhm

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## Purchase and inquiry

Manufacturer Product Number:

LF2020BNP-R522

Series:

LF

Filter Type:

Power Line

Inductance @ Frequency:

5.2 mH @ 1 kHz

DC Resistance (DCR) (Max):

280mOhm

Voltage Rating - AC:

-

Ratings:

-

Features:

-

Size / Dimension:

0.827" L x 0.591" W (21.00mm x 15.00mm)

Package / Case:

Vertical, 4 PC Pin

Manufacturer:

Sumida America Components Inc.

Product Status:

Active

Number of Lines:

2

Current Rating (Max):

1.3A

Voltage Rating - DC:

-

Operating Temperature:

-

Approval Agency:

-

Mounting Type:

Through Hole

Height (Max):

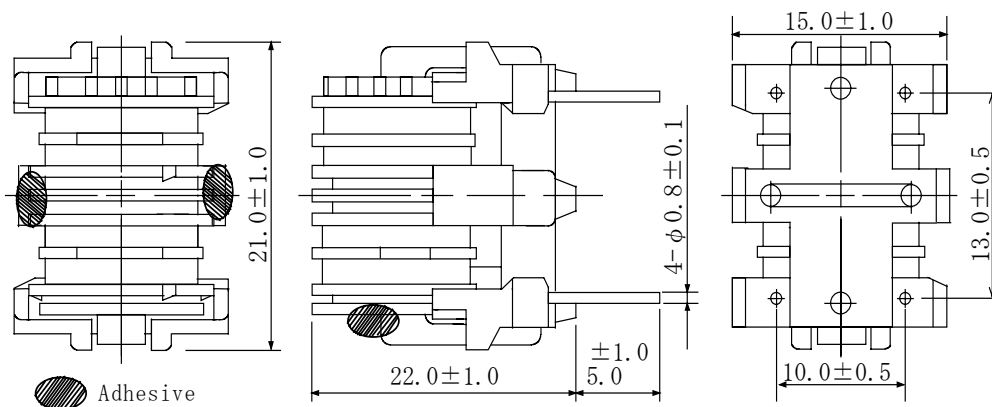
0.906" (23.00mm)


**AC COMMON MODE COIL <Pin Type: LF Series>**
**Type: LF2020B**
**◆ Product Description**

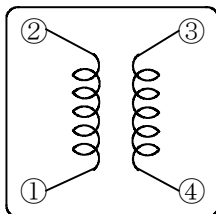
- 22.0×16.0mm Max.(L×W), 23.0mm Max. Height.
- Inductance range: 0.6mH~82mH.
- Rated current range: 0.3~3.0A
- In addition to the standard versions of parameters shown here, custom designs are available to meet your exact requirements.


**◆ Feature**

- Small size and large inductance type.
- Excellent attenuation characteristics in low frequency.
- Ideally used in TV,VCR,AV,OA equipment for noise prevention.
- RoHS Compliance

**◆ Dimensions (mm)**


- \* Dimension does not include solder used on coil.
- \* Terminal pitch is measured at the base(not from tip of the pin)

**◆ Schematics (Bottom)**


- \* Winding start is #1,#4 or #2,#3.
- \* #1 and #4,#2 and #3 : should be the same polarity.


**AC COMMON MODE COIL <Pin Type: LF Series>**
**Type: LF2020B**
**◆ Specification (LF2020B-1)**

Part No.	Stamp	Inductance [MIN.] (mH) (1-2)(4-3) 1kHz	D.C.R. (Ω) [MAX.] (1-2)(4-3) (at 20°C)	Rated current (50/60Hz) (Arms)※1
LF2020BNP-601	601	0.6	0.06	3.0
LF2020BNP-132	132	1.3	0.12	2.2
LF2020BNP-242	242	2.4	0.19	1.7
LF2020BNP-352	352	3.5	0.28	1.3
LF2020BNP-502	502	5.0	0.40	1.1
LF2020BNP-622	622	6.2	0.44	1.0
LF2020BNP-832	832	8.3	0.74	0.8
LF2020BNP-123	123	12.0	0.90	0.7
LF2020BNP-183	183	18.0	1.3	0.6
LF2020BNP-233	233	23.0	1.8	0.5
LF2020BNP-353	353	35.0	2.6	0.4
LF2020BNP-553	553	55.0	4.1	0.3

**◆ Specification (LF2020B-2)**

Part No.	Stamp	Inductance [MIN.](mH) (1-2)(4-3) 1kHz/1V	D.C.R. (Ω) [MAX.] (1-2)(4-3) (at 20°C)	Rated current (50/60Hz) (Arms)※1
LF2020BNP-R901	R901	0.9	0.06	3.0
LF2020BNP-R202	R202	2.0	0.12	2.2
LF2020BNP-R362	R362	3.6	0.19	1.7
LF2020BNP-R522	R522	5.2	0.28	1.3
LF2020BNP-R762	R762	7.6	0.40	1.1
LF2020BNP-R932	R932	9.3	0.44	1.0
LF2020BNP-R133	R133	13.0	0.74	0.8
LF2020BNP-R193	R193	19.0	0.90	0.7
LF2020BNP-R273	R273	27.0	1.3	0.6
LF2020BNP-R353	R353	35.0	1.8	0.5
LF2020BNP-R523	R523	52.0	2.6	0.4
LF2020BNP-R823	R823	82.0	4.1	0.3

※1. Rated current: The AC current at which the temperature rise is  $\Delta t=45^{\circ}\text{C}$ . ( $T_a=20^{\circ}\text{C}$ ).

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