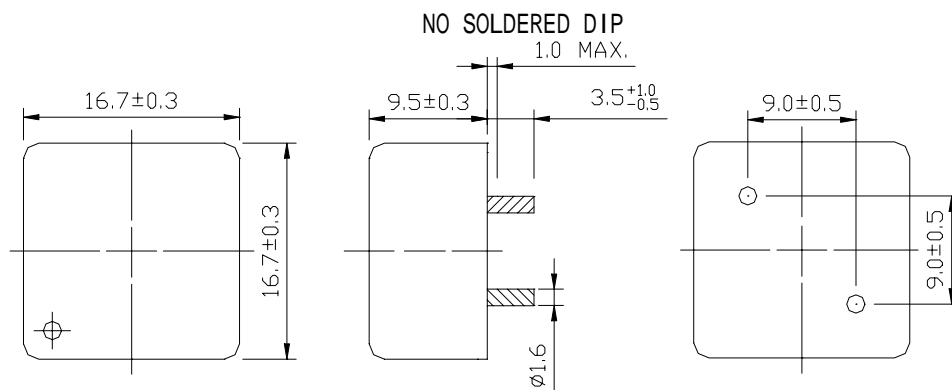


# SPECIFICATION

|               |
|---------------|
| TYPE<br>EP169 |
|---------------|

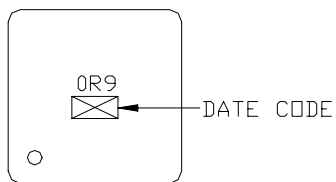
## 1 . APPEARANCE

### 1-1.DIMENSIONS ( mm )



- \* DIMENSION DOES NOT INCLUDE SOLDER USED ON COIL.
- \* THE TERMINAL PIN PITCH MEASURED AT BASE.
- \* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

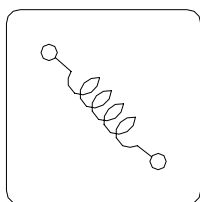
### 1-2.STAMP ( E.G. )



DIRECTLY STAMP  
FIXED THE POSITION

## 2 . COIL SPECIFICATION

### 2-1.CONNECTION (BOTTOM VIEW)



|  |
|--|
| <b>RoHS</b><br>compliance<br>Cd:Max.0.01wt%<br>others:Max.0.1wt% |
|--|



# SPECIFICATION

|               |
|---------------|
| TYPE<br>EP169 |
|---------------|

## 2-2. ELECTRICAL CHARACTERISTICS STANDARD

| NO. | PART NO     | STAMP | INDUCTANCE<br>[WITHIN]<br>1 | ALLOWABLE<br>CURRENT<br>(A) 2 | D.C.R.<br>(mΩ) [MAX.]<br>(at20 ) 3 | SUMIDA<br>CODE |
|-----|-------------|-------|-----------------------------|-------------------------------|------------------------------------|----------------|
| 01  | EP169NP-ØR9 | 0R9   | 0.9 μH ± 25%                | 18.0                          | 0.84 (0.7)                         | -0015          |
| 02  | EP169NP-1R7 | 1R7   | 1.7 μH ± 25%                | 13.0                          | 1.08 (0.9)                         | -0016          |
| 03  | EP169NP-2R6 | 2R6   | 2.6 μH ± 25%                | 10.5                          | 1.32 (1.1)                         | -0017          |
| 04  | EP169NP-3R7 | 3R7   | 3.7 μH ± 25%                | 8.5                           | 1.56 (1.3)                         | -0018          |

### HL

| NO. | PART NO      | STAMP | INDUCTANCE<br>[WITHIN]<br>1 | ALLOWABLE<br>CURRENT<br>(A) 2 | D.C.R.<br>(mΩ) [MAX.]<br>(at20 ) 3 | SUMIDA<br>CODE |
|-----|--------------|-------|-----------------------------|-------------------------------|------------------------------------|----------------|
| 05  | EP169NP-1R3L | 1R3L  | 1.3 μH ± 25%                | 12.0                          | 0.84 (0.7)                         | -0019          |
| 06  | EP169NP-2R3L | 2R3L  | 2.3 μH ± 25%                | 8.5                           | 1.08 (0.9)                         | -0020          |
| 07  | EP169NP-3R5L | 3R5L  | 3.5 μH ± 25%                | 7.5                           | 1.32 (1.1)                         | -0021          |
| 08  | EP169NP-5R0L | 5R0L  | 5.0 μH ± 25%                | 5.5                           | 1.56 (1.3)                         | -0022          |

### HI

| NO. | PART NO      | STAMP | INDUCTANCE<br>[WITHIN]<br>1 | ALLOWABLE<br>CURRENT<br>(A) 2 | D.C.R.<br>(mΩ) [MAX.]<br>(at20 ) 3 | SUMIDA<br>CODE |
|-----|--------------|-------|-----------------------------|-------------------------------|------------------------------------|----------------|
| 09  | EP169NP-ØR6I | 0R6I  | 0.6 μH ± 25%                | 20                            | 0.84 (0.7)                         | -0024          |
| 10  | EP169NP-1R1I | 1R1I  | 1.1 μH ± 25%                | 20                            | 1.08 (0.9)                         | -0025          |
| 11  | EP169NP-1R8I | 1R8I  | 1.8 μH ± 25%                | 17                            | 1.32 (1.1)                         | -0026          |
| 12  | EP169NP-2R5I | 2R5I  | 2.5 μH ± 25%                | 14                            | 1.56 (1.3)                         | -0027          |

1 INDUCTANCE (L) MEASURED AT A FREQUENCY OF 100kHz.

2 THIS INDICATES THE VALUE OF CURRENT WHEN THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AT D.C.SUPERPOSITION OR D.C.CURRENT WHEN AT t=40 WHICH EVER IS LOWER.(Ta=20 )

3 D.C.R.( )ARE TYPICAL VALUE.

3.STORAGE TEMPERATURE RANGE : - 30 ~ + 100

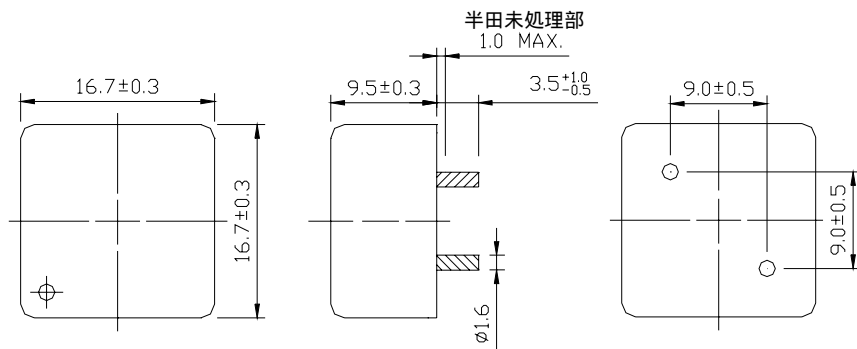
OPERATING TEMPERATURE RANGE : - 10 ~ + 120 (INCLUDING COIL'S SELF TEMPERATURE RISE)

# 仕様書

形名  
EP169

## 1. 外形

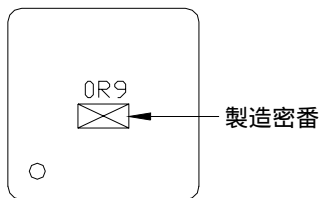
### 1-1. 寸法図(mm)



\* 端子ピッチは根本を測定する。  
\* 公差のない寸法は参考値とする。

\* 端子の寸法は、はんだつららを除く。

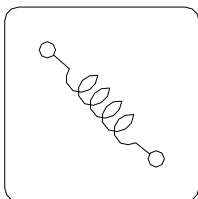
### 1-2. 捺印表示例



頭部直捺印  
捺印位置指定

## 2. コイル仕様

### 2-1. 端子接続図(裏面図)



RoHS  
compliance  
Cd: Max. 0.01wt%  
others: Max. 0.1wt%



# 仕様書

|             |
|-------------|
| 形名<br>EP169 |
|-------------|

## 2-2. 電気的特性

### 標準タイプ

| NO. | 部品番号        | 表示  | インダクタンス      | 許容電流     | D.C.R.                 | スミダ<br>コード |
|-----|-------------|-----|--------------|----------|------------------------|------------|
|     |             |     | [以内]<br>1    | (A)<br>2 | (mΩ) [以下]<br>(at20 ) 3 |            |
| 01  | EP169NP-ØR9 | ØR9 | 0.9 μH ± 25% | 18.0     | 0.84 (0.7)             |            |
| 02  | EP169NP-1R7 | 1R7 | 1.7 μH ± 25% | 13.0     | 1.08 (0.9)             |            |
| 03  | EP169NP-2R6 | 2R6 | 2.6 μH ± 25% | 10.5     | 1.32 (1.1)             |            |
| 04  | EP169NP-3R7 | 3R7 | 3.7 μH ± 25% | 8.5      | 1.56 (1.3)             |            |

### HL(高インダクタンス)タイプ

| NO. | 部品番号         | 表示   | インダクタンス      | 許容電流     | D.C.R.                 | スミダ<br>コード |
|-----|--------------|------|--------------|----------|------------------------|------------|
|     |              |      | [以内]<br>1    | (A)<br>2 | (mΩ) [以下]<br>(at20 ) 3 |            |
| 05  | EP169NP-1R3L | 1R3L | 1.3 μH ± 25% | 12.0     | 0.84 (0.7)             |            |
| 06  | EP169NP-2R3L | 2R3L | 2.3 μH ± 25% | 8.5      | 1.08 (0.9)             |            |
| 07  | EP169NP-3R5L | 3R5L | 3.5 μH ± 25% | 7.5      | 1.32 (1.1)             |            |
| 08  | EP169NP-5RØL | 5RØL | 5.0 μH ± 25% | 5.5      | 1.56 (1.3)             |            |

### HI(大電流)タイプ

| NO. | 部品番号         | 表示   | インダクタンス      | 許容電流     | D.C.R.                 | スミダ<br>コード |
|-----|--------------|------|--------------|----------|------------------------|------------|
|     |              |      | [以内]<br>1    | (A)<br>2 | (mΩ) [以下]<br>(at20 ) 3 |            |
| 09  | EP169NP-ØR6I | ØR6I | 0.6 μH ± 25% | 20       | 0.84 (0.7)             |            |
| 10  | EP169NP-1R1I | 1R1I | 1.1 μH ± 25% | 20       | 1.08 (0.9)             |            |
| 11  | EP169NP-1R8I | 1R8I | 1.8 μH ± 25% | 17       | 1.32 (1.1)             |            |
| 12  | EP169NP-2R5I | 2R5I | 2.5 μH ± 25% | 14       | 1.56 (1.3)             |            |

1 インダクタンスの測定周波数100kHz。

2 直流重畳に於いて、インダクタンスの初期値より-10%となる電流、もしくは直流電流を流した時のコイル発熱が、 $t=40$  となる電流のどちらか少ない方の値。(Ta=20 )

3 D.C.R.の( )内は、標準値とする。

3. 保存温度範囲 - 30 ~ +100

使用温度範囲 - 10 ~ +120 (コイルの発熱を含む。)