



**THE DATASHEET OF
NFL18ST207X1C3D**



NF Chip EMIFIL Part Numbering

LC Combined (1)

(Part Number)

| | | | | | | | | |
|----|---|----|----|-----|---|----|---|---|
| NF | L | 18 | ST | 107 | X | 1C | 3 | L |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ |

① Product ID

| Product ID | |
|------------|-------------|
| NF | Chip EMIFIL |

② Structure

| Code | Structure |
|------|------------------------------|
| W | Wire Wound, LC Combined Type |
| L | Multilayer, LC Combined Type |
| E | Block, LC Combined Type |

③ Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|------|------------------|------------------|
| 15 | 1.0x0.5mm | 0402 |
| 18 | 1.6x0.8mm | 0603 |
| 21 | 2.0x1.25mm | 0805 |
| 31 | 3.2x1.6mm | 1206 |
| 61 | 6.8x1.6mm | 2706 |

④ Features

| Code | Features | |
|------|---------------------|---------------------------------|
| SP | For General-Purpose | For Signal Lines, π Circuit |
| ST | | For Signal Lines, T Circuit |
| PT | | For Large Current, T Circuit |

⑤ Cut-off Frequency (NFL/NFW Series)

Expressed by three figures. The unit is in hertz (Hz). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

⑤ Capacitance (NFE Series)

Expressed by three figures. The unit is in pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

⑥ Characteristics (NFL/NFW Series)

| Code | Characteristics |
|------|-------------------|
| H/X | Cut-off Frequency |

⑥ Characteristics (NFE Series)

| Code | Capacitance Temperature Characteristics |
|------|---|
| B | $\pm 10\%$ |
| C | $\pm 20\%, \pm 22\%$ |
| D | +20/-30%, +22/-33% |
| E | +20/-55%, +22/-56% |
| F | +30/-80%, +22/-82% |
| R | $\pm 15\%$ |
| U | -750 ± 120 ppm/°C |
| Z | Other |

⑦ Rated Voltage

| Code | Rated Voltage |
|------|---------------|
| 1A | 10V |
| 1C | 16V |
| 1E | 25V |
| 1H | 50V |
| 2A | 100V |

⑧ Electrode

| Code | Electrode | Series |
|------|--------------------------|--------|
| 3/7 | Sn Plating | NFL |
| 4 | Lead-Free Solder Coating | NFW |
| 9 | Others | NFE |

⑨ Packaging

| Code | Packaging |
|------|--|
| K | Embossed Taping ($\varnothing 330$ mm Reel) |
| L | Embossed Taping ($\varnothing 180$ mm Reel) |
| B | Bulk |
| D | Paper Taping ($\varnothing 180$ mm Reel) |

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