



**THE DATASHEET OF
NFE61HT330U2A9L**



● Part Numbering

Chip EMIFIL[®] for Automotive LC Combined

(Part Number)

| | | | | | | | | |
|----|---|----|----|-----|---|----|---|---|
| NF | L | 18 | ZT | 107 | H | 1A | 3 | L |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ |

① Product ID

| Product ID | |
|------------|--------------------------|
| NF | Chip EMIFIL [®] |

② Structure

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

③ Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|------|------------------|------------------|
| 18 | 1.6x0.8mm | 0603 |
| 31 | 3.2x1.6mm | 1206 |
| 61 | 6.8x1.6mm | 2706 |

④ Features

| Code | Features | |
|------|----------------|-------------------------------|
| HT | For Automotive | Powertrain, Safety, T Circuit |
| ZT | | Infotainment, T Circuit |

⑤ Cut-off Frequency (NFL 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.

⑥ 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 Series)

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

⑥ Characteristics (NFE Series)

| Code | Capacitance Temperature Characteristics |
|------|---|
| C | ±20%, ±22% |
| D | +20/-30%, +22/-33% |
| F | +30/-80%, +22/-82% |
| R | ±15% |
| U | -750 ±120ppm/ °C |
| Z | Other |

⑦ Rated Voltage

| Code | Rated Voltage |
|------|---------------|
| 1A | 10V |
| 1E | 25V |
| 2A | 100V |

⑧ Electrode

| Code | Electrode | Series |
|------|------------|--------|
| 3 | Sn Plating | NFL |
| 9 | Others | NFE |

⑨ Packaging

| Code | Packaging |
|------|-------------------------------|
| K | Embossed Taping (ø330mm Reel) |
| L | Embossed Taping (ø180mm Reel) |
| B | Bulk |
| D | Paper Taping (ø180mm Reel) |

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