

# Chip EMIFIL® LC Combined Type

## NFE31P Series (1206 Size)

### ■ Dimension



### ■ IL of Main Items



### ■ Equivalent Circuit



### ■ Packaging

| Code | Packaging          | Minimum Quantity |
|------|--------------------|------------------|
| L    | 180mm Plastic Tape | 2000             |
| K    | 330mm Plastic Tape | 8000             |
| B    | Bulk(Bag)          | 500              |

### ■ Rated Value (□: packaging code)

| Part Number     | Capacitance    | Rated Current | Rated Voltage | Insulation Resistance (min.) | Operating Temperature Range | Number of Circuit |
|-----------------|----------------|---------------|---------------|------------------------------|-----------------------------|-------------------|
| NFE31PT220R1E9□ | 22pF+30%-30%   | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT470C1E9□ | 47pF+50%-20%   | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT101C1E9□ | 100pF+80%-20%  | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT221D1E9□ | 220pF+50%-20%  | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT471F1E9□ | 470pF+50%-20%  | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT152Z1E9□ | 1500pF+50%-20% | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |
| NFE31PT222Z1E9□ | 2200pF+50%-50% | 6A            | 25Vdc         | 1000M ohm                    | -40°C to +85°C              | 1                 |

### ■ ⚠Caution/Notice

#### ⚠Caution (Rating)

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance .

#### Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

● This data sheet is applied for CHIP EMIFIL® used for General Electronics equipment for your design.

**⚠ Note:****1. Export Control**

〈For customers outside Japan〉

Murata products should not be used or sold for use in the development, production, stockpiling or utilization of any conventional weapons or mass-destructive weapons (nuclear weapons, chemical or biological weapons, or missiles), or any other weapons.

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**2. Please contact our sales representatives or product engineers before using the products in this data sheet for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage to a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this data sheet.**

- |                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| ① Aircraft equipment        | ② Aerospace equipment                                                                                       |
| ③ Undersea equipment        | ④ Power plant equipment                                                                                     |
| ⑤ Medical equipment         | ⑥ Transportation equipment (vehicles, trains, ships, etc.)                                                  |
| ⑦ Traffic signal equipment  | ⑧ Disaster prevention / crime prevention equipment                                                          |
| ⑨ Data-processing equipment | ⑩ Application of similar complexity and/or reliability requirements to the applications listed in the above |

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