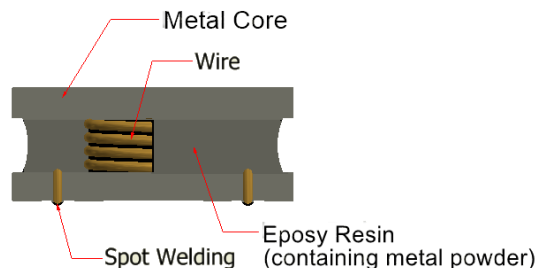
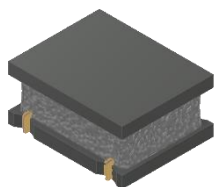


MFNR201610



CONSTRUCTION



FEATURES

metal material core provides large saturation current
Low DC resistance

APPLICATIONS

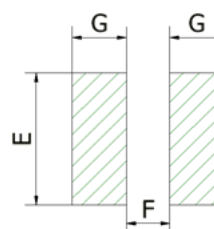
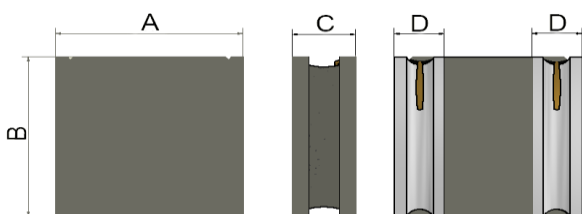
Tablet PC
Smart Phone
Car audio equipment
SSD

SPECIFICATIONS

| | |
|-----------------------------|------------------|
| Operating temperature range | -40 to +125°C |
| Storage temperature range | Under 25°C |
| Packaging style | Taping |
| Quantities | 2000 pieces/reel |

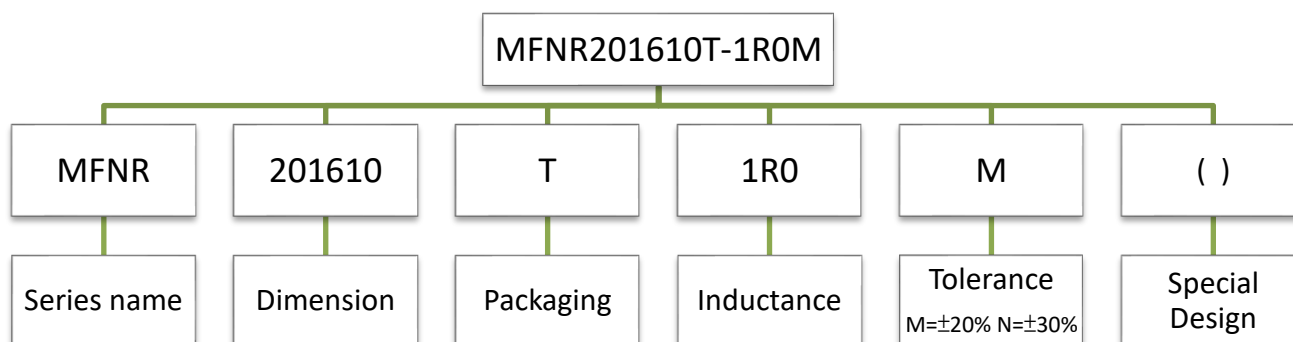
SHAPE AND DIMENSIONS (mm)

RECOMMENDED PATTERN(mm)



| TYPE | A | B | C | D | E | F | G |
|------------|---------|---------|--------|---------|-----|-----|-----|
| MFNR201610 | 2.0±0.2 | 1.6±0.2 | 1.0max | 0.6±0.2 | 2.1 | 0.7 | 0.7 |

PRODUCT IDENTIFICATION



ELECTRICAL CHARACTERISTICS

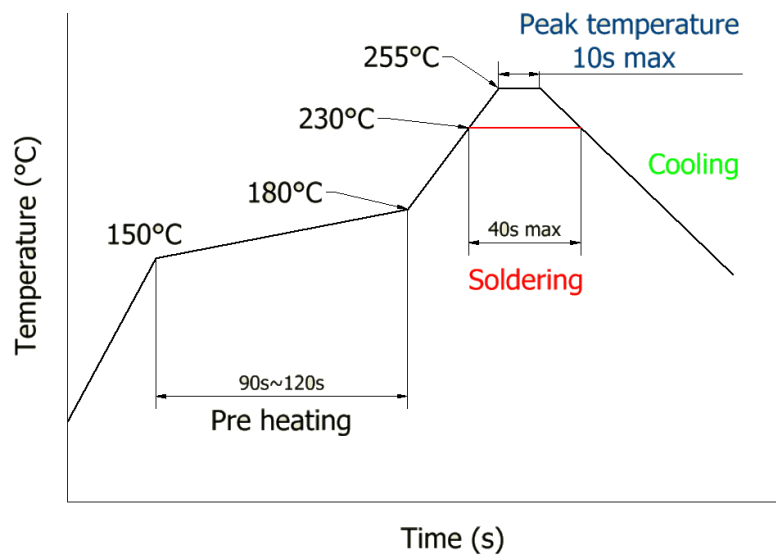
| Part No. | Inductance (uH) | Inductance tolerance | Test Frequency (MHz) | DC Resistance (Ω) | | Saturation current Isat(mA) | | Temperature rise current Irms(mA) | |
|-----------------|-----------------|----------------------|----------------------|-------------------|-------|-----------------------------|------|-----------------------------------|------|
| | | | | Typ. | Max. | Typ. | Max. | Typ. | Max. |
| MFNR201610T-1R0 | 1.0 | ±20%,±30% | 1 | 0.080 | 0.096 | 3500 | 3000 | 2900 | 2600 |

*The saturation current typical is the initial L value having inductance decrease down to 30% (at 25°C)

*The temperature rise current typical is temperature will rise by 40°C(at 25°C)

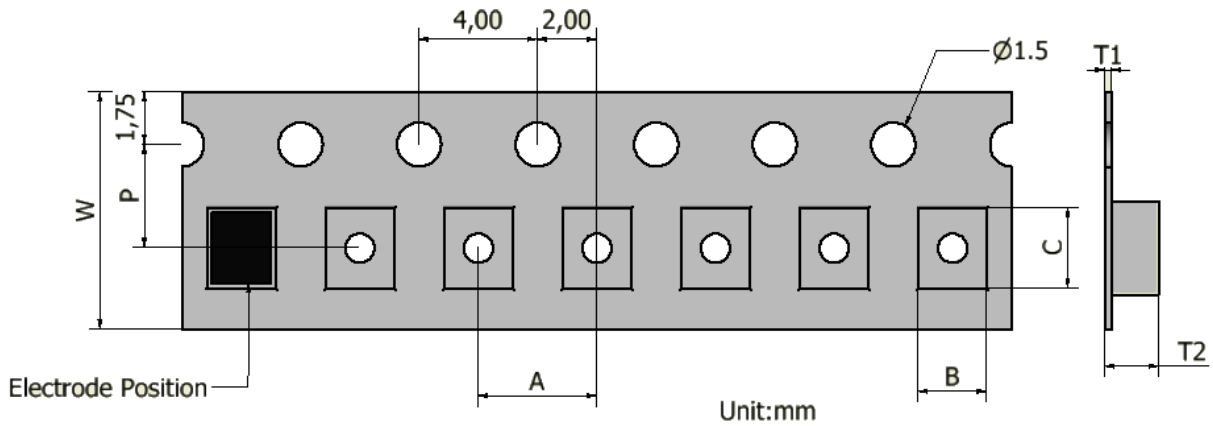
*Rated current: smaller value of either Isat or Irms.

RECOMMENDED SOLDERING CONDITIONS



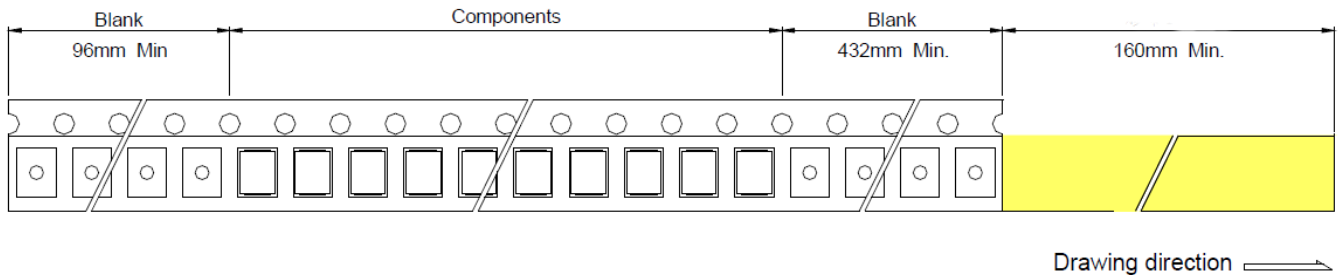
PACKAGE

(1) Taping specifications

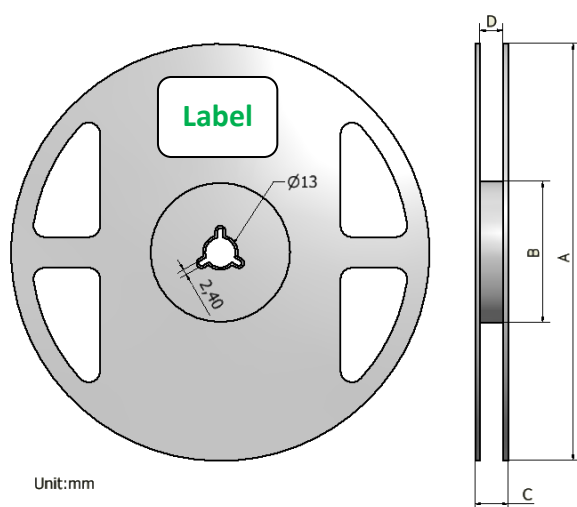


| Type | W | P | A | B | C | T1 | T2 |
|------------|---|-----|-----|------|------|------|-----|
| MFNR201610 | 8 | 3.5 | 4.0 | 1.85 | 2.45 | 0.23 | 1.2 |

(2) Terminal part and leader part tape



(3) Reel Specifications



Label

SMD Metal Core Power Inductors
 MFNR201610T-□□□M
 2,000 PCS
 Lot No. _____
 FUMIWA TECHNICAL CO., LTD.

| Type | A | B | C | D | Q'ty/Reel |
|------------|-----|----|------|------|-----------|
| MFNR201610 | 180 | 60 | 14.5 | 10.1 | 2000 |