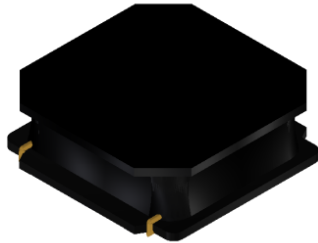
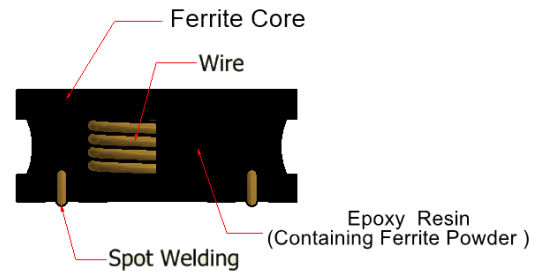


## FNR6010series



### CONSTRUCTION



### FEATURES

Magnetically structure  
Low DC resistance  
Large Current Capability

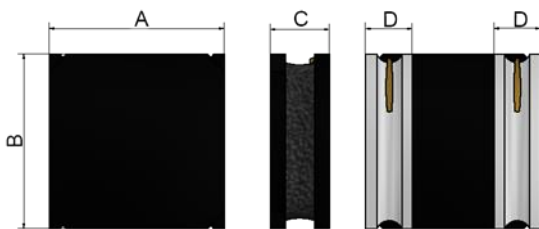
### APPLICATIONS

Hard Disk Drives  
Car audio equipment  
Tablet PC  
Navigation system  
SSD  
Touch Panel

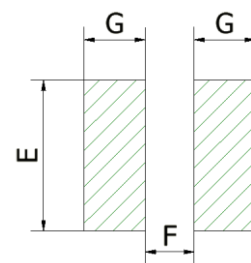
### SPECIFICATIONS

Operating temperature range	-40 to +125°C
Storage temperature range	Under 25°C
Packaging style	Taping
Quantities	2,000 pieces/reel

### SHAPE AND DIMENSIONS



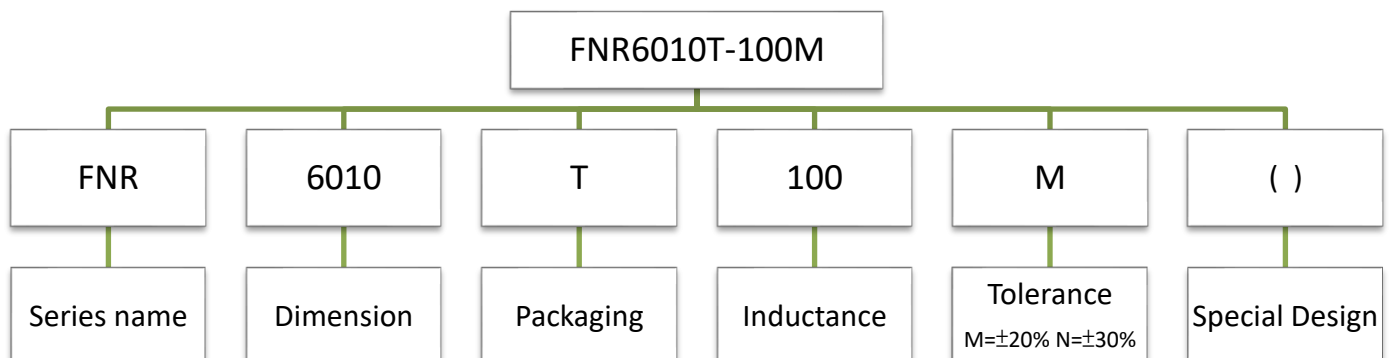
### RECOMMENDED PATTERN



(Unit: mm)

TYPE	A	B	C	D	E	F	G
FNR6010	6.0±0.1	6.0±0.1	1.0max	1.4±0.2	6.2	2.8	1.8

### PRODUCT IDENTIFICATION (ex.)



## ELECTRICAL CHARACTERISTICS

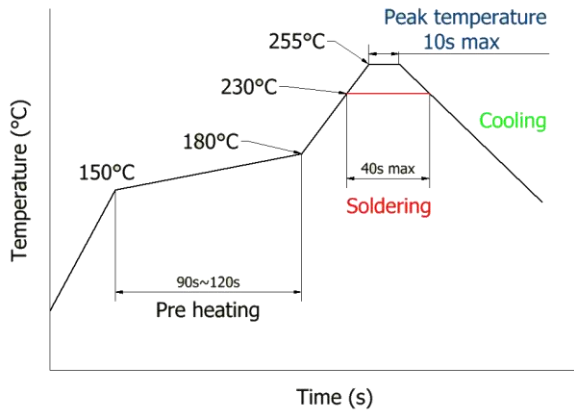
Part No.	Inductance (uH)	Inductance tolerance	Test Frequency (kHz)	DC Resistance (Ω) ±20%	Saturation current Isat(mA)		Temperature rise current Irms(mA)	
					Typ.	Max.	Typ.	Max.
FNR6010T-2R2M	2.2	±20%	100	0.155	2200	1900	1900	1700
FNR6010T-3R3M	3.3	±20%	100	0.205	1900	1600	1600	1450
FNR6010T-4R7M	4.7	±20%	100	0.277	1650	1350	1500	1400
FNR6010T-6R8M	6.8	±20%	100	0.450	1600	1300	1220	1150
FNR6010T-8R2M	8.2	±20%	100	0.390	1200	1100	1210	1100
FNR6010T-100M	10	±20%	100	0.400	1200	1000	1200	1050

\*The saturation current value (Isat) is the DC current value having inductance decrease down to 30% (at 25°C)

\*The temperature rise current value ( Irms )is the DC current value having temperature increase up to 40°C (at 25°C)

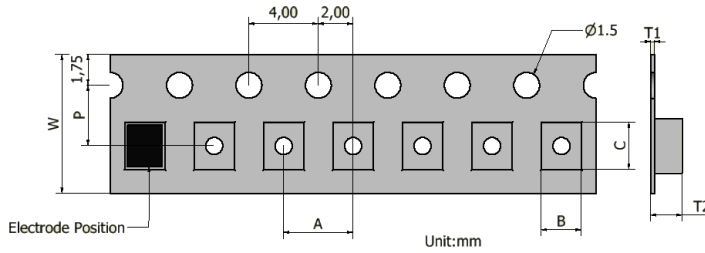
\*Rated current: smaller value of either Isat or Irms.

## RECOMMENDED SOLDERING CONDITIONS



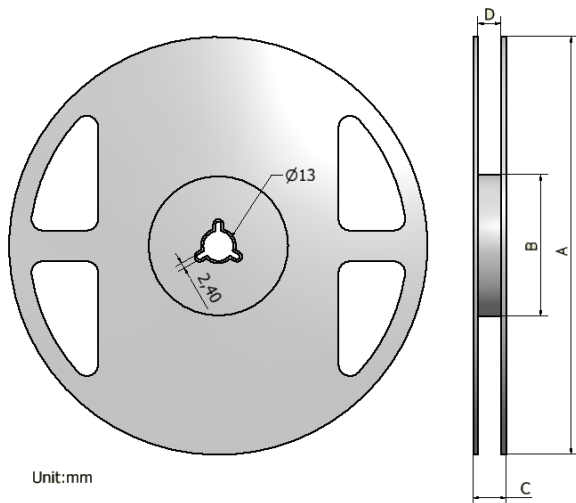
## PACKAGE

### (1) Taping specifications



Type	W	P	A	B	C	T1	T2
FNR6010	12	5.5	8.0	6.3	6.3	0.35	1.4

### (2) Reel Specifications



Unit:mm

Type	A	B	C	D	Q'ty/Reel
FNR6010	180±0.1	60±0.1	14.5±0.1	10±0.15	2000

### Label

Wire Wound Power Inductors  
 FNR6010T-□□□M/N  
 2,000PCS  
 Lot No. \_\_\_\_\_  
 FUMIWA TECHNIAL CO., LTD.

Type	Q'ty
PCS/Reel	2000
Reel/inner Box	10000
Inner Box/Carton	50000