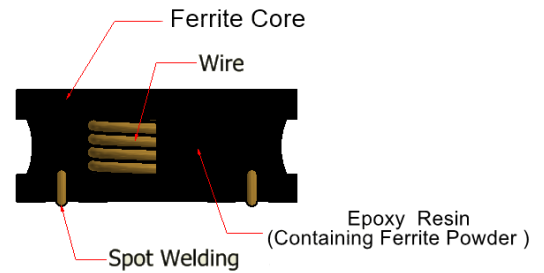


# FNR252010series



## CONSTRUCTION



## FEATURES

Magnetically structure  
Low DC resistance  
Large Current Capability

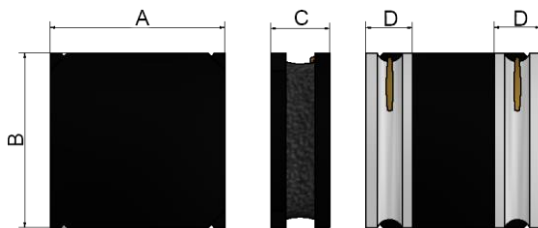
## APPLICATIONS

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

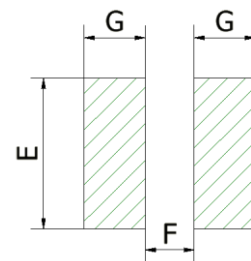
## SPECIFICATIONS

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

## SHAPE AND DIMENSIONS



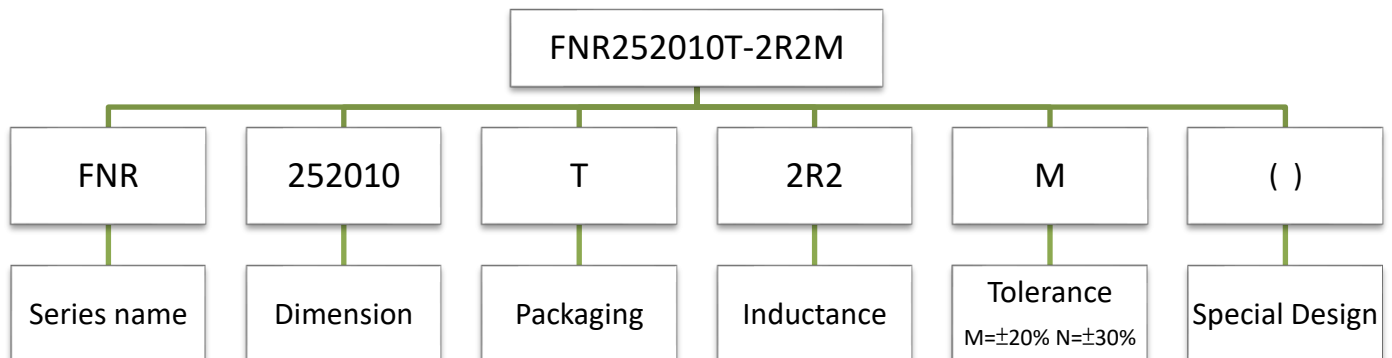
## RECOMMENDED PATTERN



(Unit: mm)

TYPE	A	B	C	D	E	F	G
FNR252010	2.5±0.2	2.0±0.2	1.0max	0.8±0.2	2.4	0.9	0.9

## PRODUCT IDENTIFICATION (ex.)



## ELECTRICAL CHARACTERISTICS

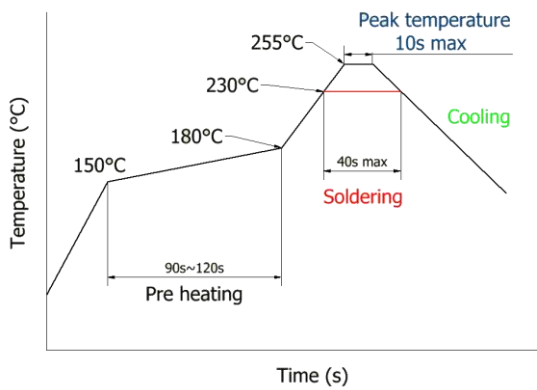
Part No.	Inductance (uH)	Inductance tolerance	Test Frequency (MHz)	DC Resistance ( $\Omega$ ) $\pm 20\%$	Saturation current Isat(mA)		Temperature rise current Irms(mA)	
					Typ.	Max.	Typ.	Max.
FNR252010T-R47N	0.47	$\pm 30\%$	1	0.038	3800	3600	3700	3400
FNR252010T-R68N	0.68	$\pm 30\%$	1	0.048	3100	2900	2900	2600
FNR252010T-1R0N	1.0	$\pm 30\%$	1	0.076	2450	2200	2500	2200
FNR252010T-2R2M	2.2	$\pm 20\%$	1	0.130	1800	1600	1800	1600
FNR252010T-3R3M	3.3	$\pm 20\%$	1	0.180	1500	1400	1500	1300
FNR252010T-4R7M	4.7	$\pm 20\%$	1	0.267	1250	1100	1300	1050
FNR252010T-6R8M	6.8	$\pm 20\%$	1	0.427	1000	900	1050	900
FNR252010T-100M	10	$\pm 20\%$	1	0.576	850	800	850	800

\*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)

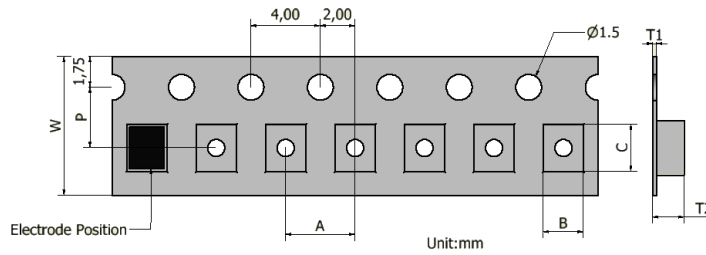
\*Rated current: smaller value of either Isat or Irms.

## RECOMMENDED SOLDERING CONDITIONS



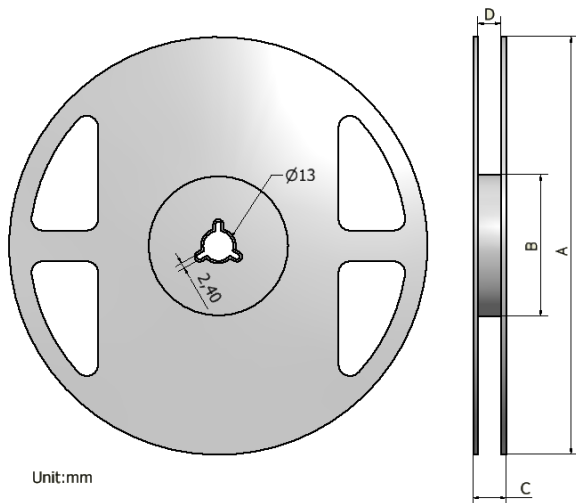
## PACKAGE

### (1) Taping specifications



Type	W	P	A	B	C	T1	T2
FNR252010	8	3.5	4.0	2.3	2.7	0.23	1.2

### (2) Reel Specifications



Unit:mm

Type	A	B	C	D	Q'ty/Reel
FNR252010	180±0.1	60±0.1	14.5±0.1	10±0.15	2000

### Label

Wire Wound Power Inductors  
 FNR252010T-□□□M/N  
 2,000PCS  
 Lot No. \_\_\_\_\_  
 FUMIWA TECHNIAL CO., LTD.

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