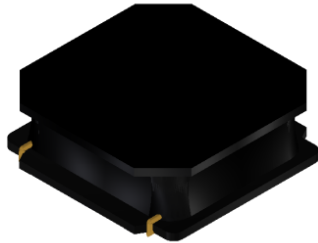
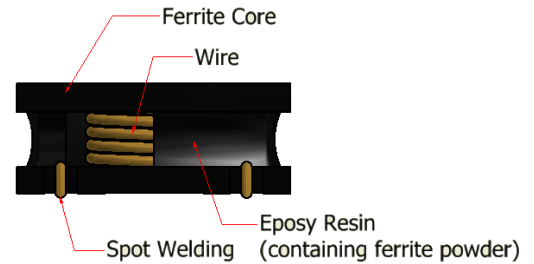


## FNR24series



### CONSTRUCTION



### FEATURES

Magnetically structure  
Low DC resistance  
Large Current Capability

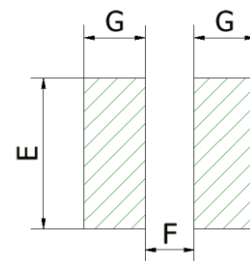
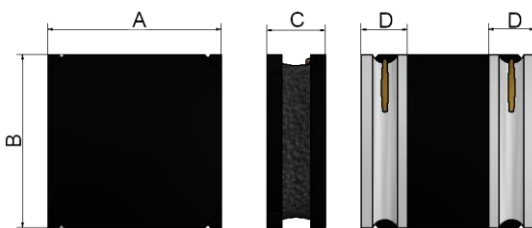
### APPLICATIONS

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	2,500 pieces/reel

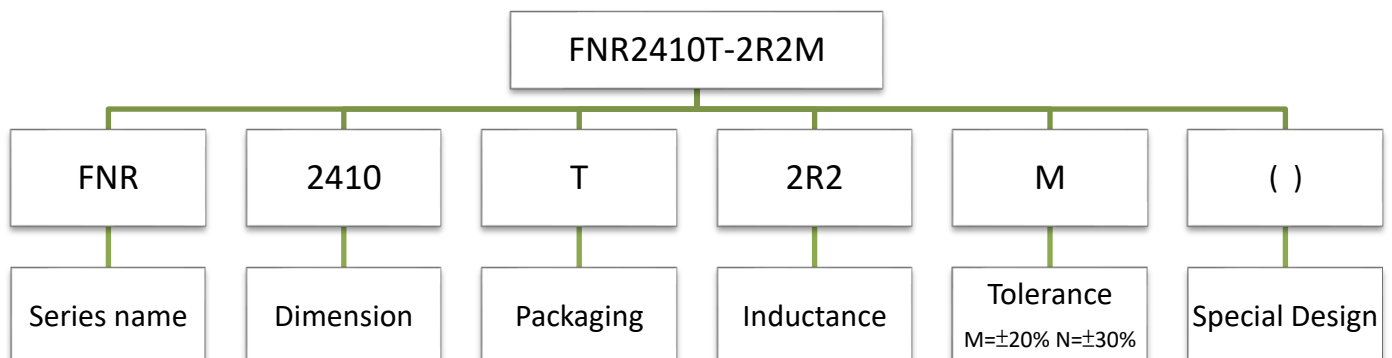
### SHAPE AND DIMENSIONS



(Unit: mm)

TYPE	A	B	C	D	E	F	G
FNR2410	2.4±0.1	2.4±0.1	1.0max	0.6±0.2	2.5	0.7	0.7
FNR2412	2.4±0.1	2.4±0.1	1.2max	0.6±0.2	2.5	0.7	0.7

### 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.
FNR2410T-1R0	1.0	±30%	100	0.070	1950	1800	1650	1420
FNR2410T-1R5	1.5	±20%	100	0.110	1650	1550	1330	1170
FNR2410T-2R2	2.2	±20%	100	0.150	1350	1300	1120	980
FNR2410T-3R3	3.3	±20%	100	0.220	1150	1050	900	780
FNR2410T-4R7	4.7	±20%	100	0.290	950	890	800	680
FNR2410T-6R8	6.8	±20%	100	0.410	770	760	670	580
FNR2410T-100	10	±20%	100	0.690	610	560	540	460
FNR2410T-150	15	±20%	100	1.02	530	480	450	380
FNR2410T-220	22	±20%	100	1.47	415	395	360	310

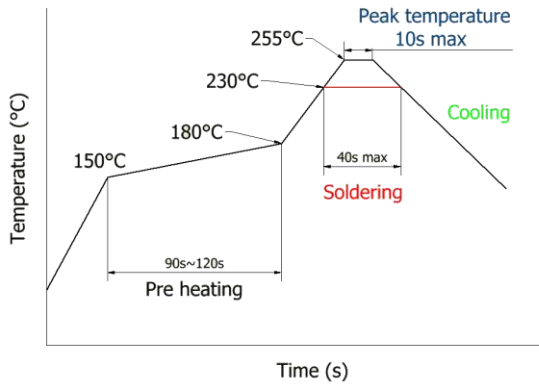
Part No.	Inductance (uH)	Inductance tolerance	Test Frequency (kHz)	DC Resistance (Ω) ±20%	Saturation current Isat(mA)		Temperature rise current Irms(mA)	
					Typ.	Max.	Typ.	Max.
FNR2412T-R47	0.47	±30%	100	0.050	3690	2900	2300	2100
FNR2412T-1R0	1.0	±30%	100	0.077	2610	2350	1540	1300
FNR2412T-1R5	1.5	±30%	100	0.100	2290	2100	1390	1150
FNR2412T-2R2	2.2	±20%	100	0.140	1940	1700	1190	1000
FNR2412T-3R3	3.3	±20%	100	0.255	1600	1400	890	750
FNR2412T-4R7	4.7	±20%	100	0.300	1280	1150	770	650
FNR2412T-6R8	6.8	±20%	100	0.420	1100	950	635	550
FNR2412T-100	10	±20%	100	0.600	900	810	510	450

\*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)

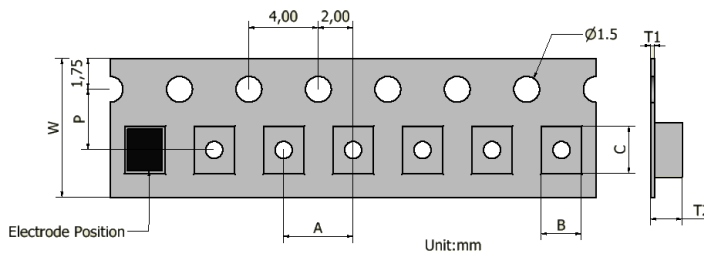
\*Rated current: smaller value of either Isat or Irms.

## RECOMMENDED SOLDERING CONDITIONS



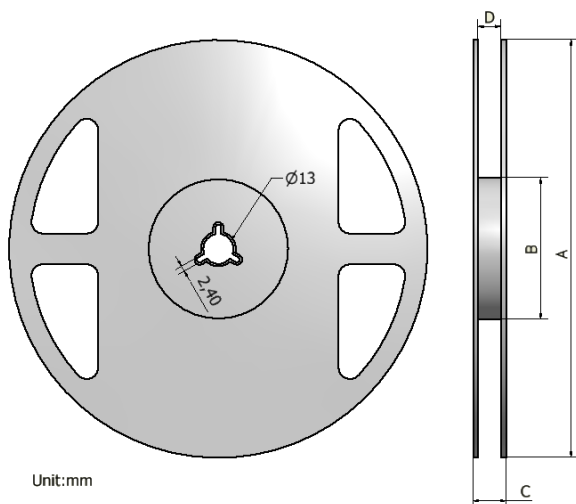
## PACKAGE

### (1) Taping specifications



Type	W	P	A	B	C	T1	T2
FNR2410	8	3.5	4.0	2.7	2.7	0.23	1.2
FNR2412	8	3.5	4.0	2.7	2.7	0.23	1.4

### (2) Reel Specifications



Type	A	B	C	D	Q'ty/Reel
FNR2410	180±0.1	60±0.1	14.5±0.1	10±0.15	2500
FNR2412	180±0.1	60±0.1	14.5±0.1	10±0.15	2500

### Label

Wire Wound Power Inductors  
 FNR24□□T-□□□M/N  
 □□□□PCS  
 Lot No. \_\_\_\_\_  
 FUMIWA TECHNIAL CO., LTD.

Type	Q'ty
PCS/Reel	2500
Reel/inner Box	10000
Inner Box/Carton	40000