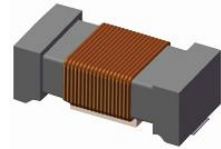


# Wire Wound Ferrite Chip Antenna- MTNF Series

Operating Temp. : -40°C~+85°C



## FEATURES

- Small chip suitable for surface mounting
- Automated process and stable quality

## APPLICATIONS

- Antenna coil for NFMI
- Wireless earphone

## PRODUCT IDENTIFICATION

**MTNF**

①

**5520**

②

**F**

③

**S**

④

**3R7**

⑤

**J**

⑥

**T**

⑦

**F**

⑧

□□□

⑨

①	
Type	
MTNF	Wire Wound Chip Antenna

④	
Feature Type	
S	Standard

⑦	
Packing	
T	Tape & Reel

②	
External Dimensions (LxW) [mm]	
5520	5.5x2.0
6030	6.0x3.0
6040	6.0x4.0

⑤	
Nominal Inductance	
Example	Nominal Value
3R7	3.7μH

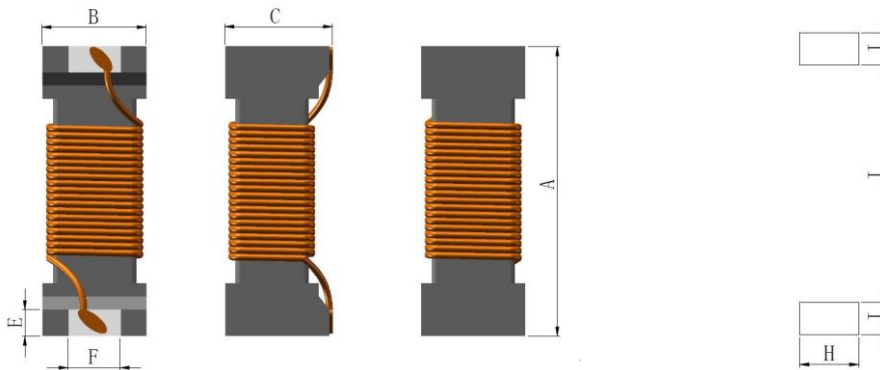
⑧	
Hazardous Substance	
Free Products	
F	

③	
Material Code	
F	Ferrite

⑥	
Inductance Tolerance	
J	±5%

⑨	
Design Code	
□□□	Design Code
*Standard product is blank	

## SHAPE AND DIMENSIONS



Unit: mm

Series	A	B	C	E	F	H Typ.	I Typ.	J Typ.
MTNF3720	3.70±0.20	2.0±0.20	1.8±0.20	0.50±0.10	1.0±0.10	1.10	0.60	2.70
MTNF5520	5.50±0.20	2.0±0.20	2.0±0.20	0.50±0.10	1.0±0.10	1.10	0.60	4.40
MTNF6030	6.20±0.20	3.0±0.20	2.0±0.20	0.50±0.10	1.0±0.10	1.10	0.60	5.10
MTNF6040	6.20±0.20	4.0±0.20	2.0±0.20	0.50±0.10	1.5±0.10	1.60	0.60	5.10

## SPECIFICATIONS

### MTNF Series

Part Number	Inductance	Min. Quality Factor	L/Q Test Freq.	Matched IC
Units	$\mu\text{H}$	-	MHz	-
Symbol	L	Q	Freq.	-
MTNF5520FS3R7JTFY01	$3.7 \pm 5\%$	50	10.6	NXP
MTNF6030FS3R7JTFY01	$3.7 \pm 5\%$	50	10.6	NXP
MTNF6040FS3R7JTFY01	$3.7 \pm 5\%$	50	10.6	NXP
MTNF3720FS3R8JTFY21	$3.8 \pm 5\%$	40	20	BES
MTNF5520FS3R7JTFY21	$3.7 \pm 5\%$	50	20	BES