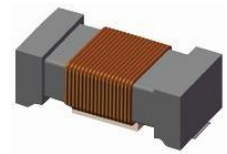


Wire Wound Ferrite Chip Antenna – MTNF Series

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 5520 F S 3R7 J T F □□□
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

①	Type
MTNF	Wire Wound Chip Antenna

⑤	Nominal Inductance
Example	Nominal Value
3R7	3.7μH

②	External Dimensions(LxW) [mm]
5520	5.5×2.0
6030	6.0×3.0
6040	6.0×4.0

⑥	Inductance Tolerance
J	±5%

⑦	Packing
T	编带 Tape & reel

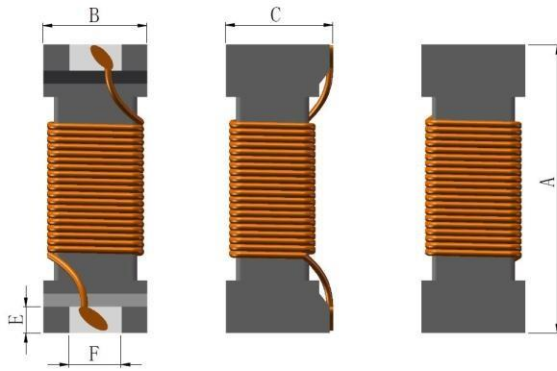
③	Material Code
F	Ferrite

⑧	Hazardous Substance Free Products
J	±5%

④	Feature Type
S	Standard

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

SHAPE AND DIMENSIONS



Recommended PCB Layout

Unit: mm

Series	A	B	C	E	F	H Typ.	I Typ.	J Typ.
MTNF5520	5.5±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	6.2±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	6.2±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.
Units	μH	-	MHz
Symbol	L	Q	Freq.
MTNF5520FS3R7JTIFY01	3.7±5%	50	10.6
MTNF5520FS3R7JTIFY21	3.7±5%	50	20
MTNF6030FS3R7JTIFY01	3.7±5%	50	10.6
MTNF6040FS3R7JTIFY01	3.7±5%	50	10.6