

SPECIFICATION OF K15 FT SERIES FOR WIRELESS CHARGING

Features

K15 FT is a thin sintered ferrite sheet with relatively high μ' (>1350) and low μ'' at 100-200KHz.

It has several advantages as follows :

- Improves charging efficiency of wireless charger
- Prevent battery heating and circulating current in metallic parts.
- Prevent devices or other objects from being interfered by magnetic field.



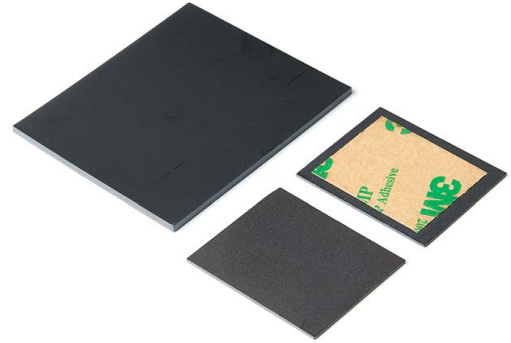
Application

Shielding component for Tx & Rx wireless charging coils.

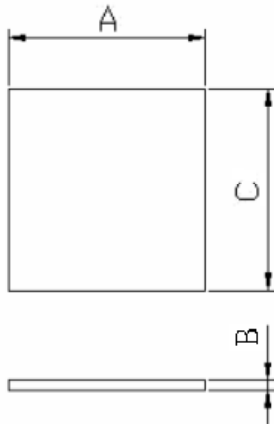
ORDERING CODE

K15 FT 50 x 0.5 x 60
 (1) (2) (3) (4) (5)

- (1) MATERIAL
- (2) PRODUCT CODE
- (3) A DIM.
- (4) B DIM.
- (5) C DIM.



SHAPE



MATERIAL SPECIFICATION

Material Code : K15

Initial Permeability : $>1350@1\text{MHz}$

Temperature factor of initial permeability $20\sim 70^\circ\text{C}$ $\alpha F(x10^{-6}^\circ\text{C})$: 0 to 50

Specific Gravity(g/cm^3) : 5.0

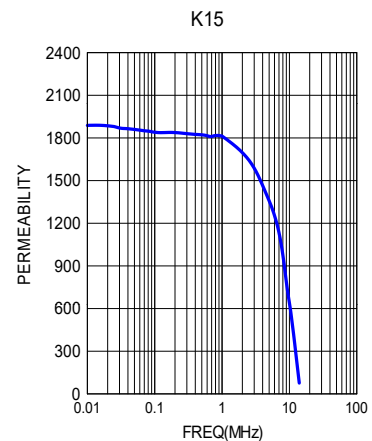
Curie Temperature $T_c(^\circ\text{C})$: >125

Loss Factor @Frequency $10^{-6}(\text{MHz})$: 222(1.0)

Resistivity ($\Omega\text{-m}$) : $1*10^6$

Saturation Magnetic Flux Density B_m gauss(mT) : 2400(240)

Initial Permeability vs. Frequency



※Other sizes are available upon request.

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

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DIMENSIONS & CHARACTERISTICS

UNIT:mm

NO.	ORDERING CODE	A	B	C
1	FT 50x0.35x50	50.0±1.0	0.35±0.10	50.0±1.0
2	FT 50x0.5x50	50.0±1.0	0.50±0.10	50.0±1.0
3	FT 50x0.8x50	50.0±1.0	0.80±0.10	50.0±1.0
4	FT 50x1.0x50	50.0±1.0	1.00±0.10	50.0±1.0
5	FT 50x1.5x50	50.0±1.0	1.50±0.20	50.0±1.0
6	FT 50x2.0x50	50.0±1.0	2.00±0.20	50.0±1.0
7	FT 50x0.35x60	50.0±1.0	0.35±0.10	60.0±1.0
8	FT 50x0.5x60	50.0±1.0	0.50±0.10	60.0±1.0
9	FT 50x0.8x60	50.0±1.0	0.80±0.10	60.0±1.0
10	FT 50x1.0x60	50.0±1.0	1.00±0.10	60.0±1.0
11	FT 50x1.5x60	50.0±1.0	1.50±0.20	60.0±1.0
12	FT 50x2.0x60	50.0±1.0	2.00±0.20	60.0±1.0
13	FT 53x0.35x53	53.0±1.0	0.35±0.10	53.0±1.0
14	FT 53x0.5x53	53.0±1.0	0.50±0.10	53.0±1.0
15	FT 53x0.8x53	53.0±1.0	0.80±0.10	53.0±1.0
16	FT 53x1.0x53	53.0±1.0	1.00±0.10	53.0±1.0
17	FT 53x1.5x53	53.0±1.0	1.50±0.20	53.0±1.0
18	FT 53x2.0x53	53.0±1.0	2.00±0.20	53.0±1.0
19	FT 100x0.5x100	100.0±3.0	0.50±0.10	100.0±3.0
20	FT 100x1.0x100	100.0±3.0	1.00±0.10	100.0±3.0
21	FT 100x1.5x100	100.0±3.0	1.50±0.20	100.0±3.0
22	FT 108x0.5x108	108.0±5.0	0.50±0.08	108.0±5.0
23	FT 108x1.0x108	108.0±5.0	1.00±0.20	108.0±5.0

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