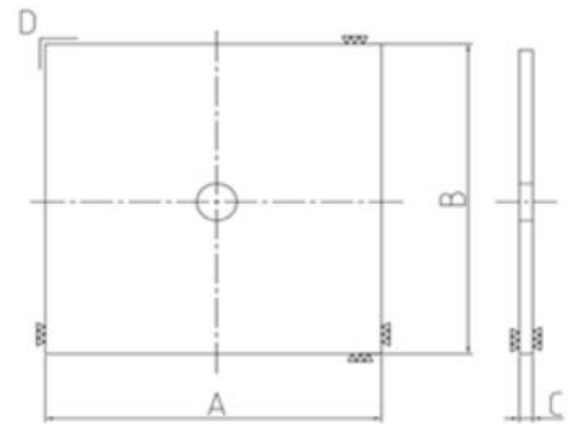


Ferrite Tile

1.Part No and Dimensions

Part No.	Tile 52	Tile 67	Tolerance
A: Width (mm)	100	100	±0.10
B: Length (mm)	100	100	±0.10
C: Thickness (mm)	5.2	6.7	±0.10
D: Squareness	>0.15	>0.15	
d: Diameter of bore	10	10	±0.20
W: Weight (g)	=253g	=331g	



2.Material Characteristics

Properties

Initial permeability
Relative loss factor
Saturation flux density
Relative temp factor (20~ 60°C)
Curie Temperature
Density
Resistivity

Symbol	Unit	Value
μ_i		3800±25%
$\tan\delta/\mu_i$	$\times 10^{-6}$	>7
Bs	mT	310
α	$\times 10^{-6}/^\circ\text{C}$	1.5 ~1.6
Tc	°C	>100
d	g/cm ³	4.9
ρ	$\Omega\cdot\text{m}$	>100

3.Physical Characteristics

Frequency	Typical-52	Typical-67	Specification
30MHz	-22.6dB	-25.9dB	-19.5dB Max
50MHz	-27.2dB	-30.2dB	
100MHz	-40.1dB	-31.7dB	
150MHz	-33.1dB	-27.8dB	
200MHz	-29.8dB	-24.8dB	
300MHz	-23.5dB	-20.2dB	
500MHz	-18.1dB	-15.6dB	
700MHz	-15.3dB	-13.1dB	
1000MHz	-12.5dB	-10.5dB	-10.0dB Max

4.Reflection Loss vs. Frequency



5.Customers

- In China : Norida, ZonSou etc.
- In Korea : 50% market share.
- Overseas : HITACH, RIKEN, ETS, FRANKONIA etc.