

Flat Ferrite Plates with Heat Tape (7000 Series)

Product Summary

Most common 850-Perm Nickel Zinc small square ferrite plates for near-field RFI absorption and heat sink properties.

Product Application

These plates are .100" (2,5mm) thick squares with 3M 8815 heat transfer acrylic tape applied to one side. Proper application introduces a significant amount of magnetic coupling and impedance at the site. When affixed to flat active components, heat-sink thermal dissipation occurs into free air, and can increase component efficiency. (Ferrite exhibits thermal transfer rate of 4.168 W/m-k)

Can be used as an inductively coupled component or as an inductive shield. These plates can be attached to chassis very near to RFI problem areas and help absorb emissions, reduce resonance and harmonics, effectively protecting neighboring boards/components in the near field from cross talk.



Product Technical Data

Two sizes, 1.055" (26,8mm) and 0.875" (22,2mm) squares, .100 (2,5mm) thick, tape adds <2,0mm. These can be purchased without tape by special order.

Impedance Data:

7000-0875-TP 24Ω @ 100MHz (ref.)

7000-1055-TP 28Ω @ 100MHz (ref.)

Test criteria: Parts were tested in a mini-Tem, using HP 4191A RF Impedance Analyzer and 1-turn of 24 gauge Insulated wire with 1-turn around plate to simulate an active surface. Impedance readings are +/- 10% total.

7000 Flat Plate Series sizes are available from stock.

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