

4. High Magnetic Permeability Cores for Pulse Transformer

After suitable heat treatment has been done, cobalt base amorphous material shows excellent magnetic properties. TOSHIBA MATERIALS has developed new high permeability core 'FS Series' by this material.

FS series maintain high initial permeability μ_i especially at high frequency zone, and are suitable for Pulse Transformers, Noise Filter and Cores for Sensors. High permeability enables electronic parts smaller and higher performance.

High Permeability : μ_i at 10kHz is 100,000 it changes inductance module smaller and higher performance.

Low Loss : Smaller core loss, higher exchange efficiency, lower self heat of core can be obtained.

Constant Permeability : Small permeability change depending on magnetic field.

Thin and Small Core : Small miniature core enables to mount in a PC-card.

Characteristics (Typical Value)

