

## IFL16 Series Hybrid

### Noise Suppression Sheets (Magnetic + Conductive Layer)

TDK's IFL16 series hybrid noise suppression sheets are highly flexible, shock resistant noise suppression sheets made of soft magnetic material and resin. Electromagnetic waves are converted to thermal energy by natural resonance in the soft magnetic materials contained in the sheet. This prevents electromagnetic waves from being transmitted through the shield, or reflects the waves internally. These hybrid sheets are available with either a conductive or insulated surface layer, and conform to a wide range of dimensions and shapes so noise prevention is possible without design change.



#### Features

- Flexible, does not crack with impact
- High loss
- Conforms to a wide range of dimensions and shapes
- Noise prevention is possible without design change
- Available with either a conductive or insulated surface layer
- Operating temperature range: -40°C to +85°C

Noise Suppression

Flexield

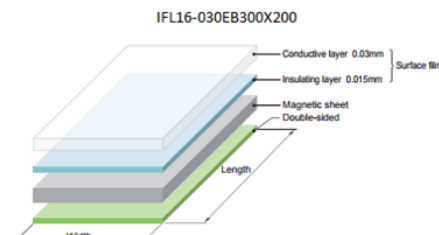
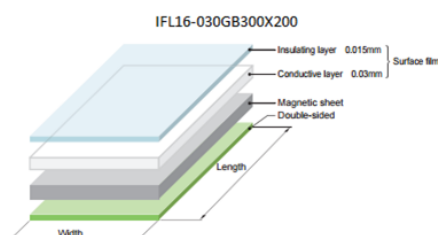
Commercial



#### Applications

- Electromagnetic noise suppression for various kinds of electronic equipment
- Receiver sensitivity improvement of PEN input (inductive coupling type)
- Performance improvement of RFID

[Datasheet Link](#)



## IFL16 Series Hybrid Noise Suppression Sheets

**Dimensions:** 300 x 200mm

**Thickness:** 0.030mm

**Recommended Frequency Range:** 0.5MHz to 1GHz

**Relative Permeability (at 1MHz):** 200

**Surface Resistivity ( $\Omega$ /sq.) min:** 10k

**Thermal Conductivity (W/m·K):** 1.5