

FLEX-SUPPRESSOR®

High Thermal Conductivity Type

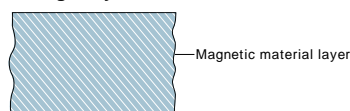


Outline

- With 10times greater thermal conductivity, compared to conventional K4E type, this model can counteract to the noise and the heat at the same time.
- Heat resistant up to 130°C. Flame resistant.
- Halogen free.

Structural Diagram

- Single layer

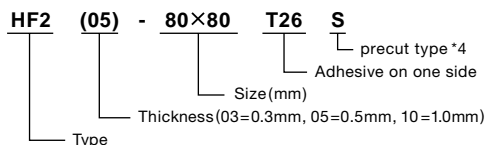


Specifications *1

| Features | | Standard specifications |
|------------------------------|---------------|--------------------------------------|
| Type | | HF2 |
| Structure | | Single layer |
| Frequency range | | 100MHz to 5GHz |
| Operating temperature (°C) | | -40 to +130 |
| Thickness (mm) | | 0.3, 0.5, 1.0 |
| Dimensions | Standard (mm) | 80×80 |
| | Maximum (mm) | 400×160 |
| Specific gravity *2 | | 4.9 (typ.) |
| Tensile strength (Mpa) | | 1.5 (min.) |
| Surface resistance (Ω) | | 1.0×10 ⁶ (min.) |
| Thermal conductivity (W/m·K) | | 2.0 (typ.) |
| Approved standard | | UL94 V-0 |
| | | UL File No.E176124 |
| Environment | RoHS | Compliant |
| | Others | PVC Free, Lead Free |
| Remarks | | Thermal conductivity improved model. |

*1 Above specifications are for Flex-suppressor_® alone. Adhesive layer not included (For thermal conductivity, the value includes adhesive layer.) *2 Value in 23°C atmosphere

Classification *3



*3 Please contact local sales representative for detailed specification.
 *4 Flex-suppressor and adhesive layer are being cut into designated form but the release paper below is left uncut for handling convenience.

Thermal resistance (°C/W) *5

| Sheet Size | Specification | | |
|------------|---------------|----------|----------|
| | HF2 (03) | HF2 (05) | HF2 (10) |
| 10mm×10mm | 1.50 | 2.50 | 5.00 |
| 20mm×20mm | 0.38 | 0.63 | 1.25 |
| 30mm×30mm | 0.17 | 0.28 | 0.56 |

*5 Above values are calculated from the formula below.
 Formula $R = \frac{L}{A} \times \frac{1}{\lambda}$ R: Thermal resistance (°C/W) λ: Thermal conductivity (W/m·K)
 L: Specimen's thickness (m) A: Specimen's area (m²)



All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact NEC TOKIN for updated product data. Please request for a specification sheet for detailed product data prior to the purchase. Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.