

FLEX-SUPPRESSOR®

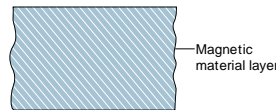


Outline

- A composite magnetic body in the form of sheet made by blending and dispersing micron sized magnetic material powders in a polymer base
- High permeability type FK2 has $\mu=100$. 5 times greater than K4E and superior to R4N type. Nearly half the thickness maintaining equal effect ideal for small devices.
- In open space → Acts as absorbent of radiated noise waves. Affixing on boards and cables → Attenuation of noise current in the signal line. Suppression of noise radiation from cables.

Structural Diagram

Single layer

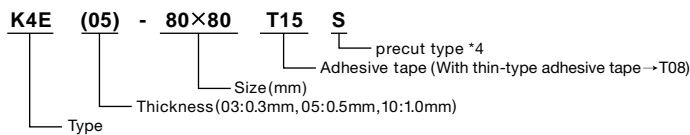


Specifications *1

Features	Standard specifications	Heat resistance specifications	Low frequency specifications	Low frequency specifications
Type	K4E	TS7	R4N	NEW FK2
Structure	Single layer			
Frequency range	100MHz to 5GHz		10MHz to 3GHz	
Operating temperature (°C)	-25 to +85	-40 to +105	-25 to +85	
Thickness (mm)	0.3, 0.5, 1.0	0.5, 1.0	0.1, 0.2, 0.3, 0.5, 1.0	0.1, 0.2, 0.3, 0.5
Dimensions	Standard (mm)	80×80		
	Maximum (mm)	500×160	400×160	240×240
Specific gravity *2	3.0 (typ.)	3.3 (typ.)	3.1 (typ.)	
Tensile strength (Mpa)	3.4 (min.)	3.9 (min.)	3.8 (min.)	4.0 (min.)
Surface resistance (Ω)	1.0×10^9 (min.)	1.0×10^9 (min.)	1.0×10^9 (min.)	
Thermal conductivity (W/m·K)	0.22 (typ.)	0.47 (typ.)	0.40 (typ.)	0.35 (typ.)
Approved standard	UL94 V-1		UL94 V-0	
	UL File No.E176124			
Environment	RoHS	Compliant		
	Others	PVC Free, Lead Free		
Relative magnetic permeability (at1MHz)	20 (typ.)		60 (typ.)	100 (typ.)
Remarks	Standard model	Heat resistant model of K4E	$\mu 60$ high permeability. Low frequency applicable. Various thickness.	Highest market standard permeability of $\mu 100$

*1 Above specifications are for Flex-suppressor® alone. (adhesives and etc. not included) *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.



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.