Noise Suppression Sheets/Magnetic Sheets/ Radio Wave Absorbers Flexield

Conformity to RoHS Directive

FOR NOISE SUPPRESSION IRJ AND IFL MATERIALS

TDK's Flexield is a highly flexible and shock resistant soft magnetic sheet material consisting of magnetic material and resin.
It suppresses noise radiated from electronic devices across a wide frequency range. Offering excellent flexibility in fabrication, Flexield is a sheet-type noise reduction solution particularly suited for high-frequency range.

FEATURES

- They are flexible(not crack).
- They are suited for thin and compact devices.
- Available in a wide range of dimensions and shapes.
- Conforming to RoHS Directive.

APPLICATIONS

- Noise reduction for flexible cables used in mobile devices (including notebook PC's, digital cameras, game machines, and cellular phones).
- Reduction of noise radiated from a wide variety of electronic devices (including noise from CPU).
- Reduction of specific absorbed radiation (SAR) from cellular phones.
- Reduction of internal EMI (resonance, crosstalk) inside a shielded casing.

PRODUCT IDENTIFICATIONS

IRJ08	AB	H	20	x	10	x	0.25
(1)	(2)	(3)	(4)		(5)		(6)

(1) Material name
(2) Double-sided tape symbol
No symbol: no double-sided tape used
A: double-sided tape (t=0.17)
AB: double-sided tape (t=0.03)
AT: double-sided tape (t=0.01)
(3) Product process symbol
(4) Length(20: 20mm)
(5) Width(10: 10mm)
(6) Thickness(0.25: 0.25mm)

SPECIFICATIONS

UNFLAMMABLE TYPE *NEW*

Type(Features/Application)	For low frequency		For high frequency		
Material name	IRJ08		IRJ04		
Recommended frequency range	10MHz to 3GHz		50MHz to 10GHz		
Operating temperature range (°C)	–40 to +85		–40 to +85		
Initial permeability[at 1MHz]typ.	100		40		
Resistivity (Ω/square) min.	1M		1M		
Thermal conductivity(W/m • k)	1.6		1.5		
Standard sheet dimensions (mm)	300×200		300×200		
Standard sheet thickness (mm)	0.13	0.25	0.1	0.25	0.5
Standard sheet weight (g)	30	55	30	55	110
Density (g/cm^3)	3.6		3.6		
Flame retardant	UL94V-0		UL94V-0		
Environment	Conformity to RoHS Directive		Conformity to RoHS Directive		

THIN TYPE *NEW*

Type(Features/Application)	For low frequency		For high frequency	
Material name	IFL08		IFL04	
Recommended frequency range	10MHz to 3GHz		50MHz to 10GHz	
Operating temperature range (°C)	–40 to +85		–40 to +85	
Initial permeability[at 1MHz]typ.	100		45	
Resistivity (Ω/square) min.	1k		10k	
Thermal conductivity(W/m • k)	1.6		1.5	
Standard sheet dimensions (mm)	300×200		300×200	
Standard sheet thickness (mm)	0.05	0.1	0.05	0.1
Standard sheet weight (g)	10	20	10	20
Density (g/cm^3)	3.1		3.1	
Flame retardant	—		—	
Environment	Conformity to RoHS Directive		Conformity to RoHS Directive	

• It may not be allowed to export IRE02 due to Export Control regulations.

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

НИОКР
СИСТЕМС

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