Nov. 2018
TDK Corporation

P/N: # MAGNETIC SHEET SAMPLE KIT

Sample list

"Magnetic Sheet Sample Kit" includes the following:

No.	Series	Magnetic Material Thickness (mm)	Series Product Name	Sample Size (mm)	Qty
1	IFL10M	0.025	IFL10M-025NB	140X95	1
2		0.050	IFL10M-050NB	140X95	1
3		0.100	IFL10M-100NB	140X95	1
4		0.200	IFL10M-200ND	140X95	1
5	IFL12	0.050	IFL12-050NB	140X95	1
6		0.100	IFL12-100NB	140X95	1
7		0.200	IFL12-200ND	140X95	1
8	IFL16	0.030	IFL16-030NB	140X95	1
9			IFL16-030EB	140X95	1
10			IFL16-030GB	140X95	1
11		0.050	IFL16-050NB	140X95	1
12		0.100	IFL16-100NB	140X95	1
13	IFM10M	0.025	IFM10M-025BB	140X95	1
14	IFF08	0.050	IFF08-050ND	140X95	1
15		0.100	IFF08-100ND	140X95	1
16	IFL04	0.050	IFL04-050NB	140X95	1
17		0.100	IFL04-100NB	140X95	1
18		0.200	IFL04-200ND	140X95	1

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Noise suppression sheet
- Flexield -

Series name

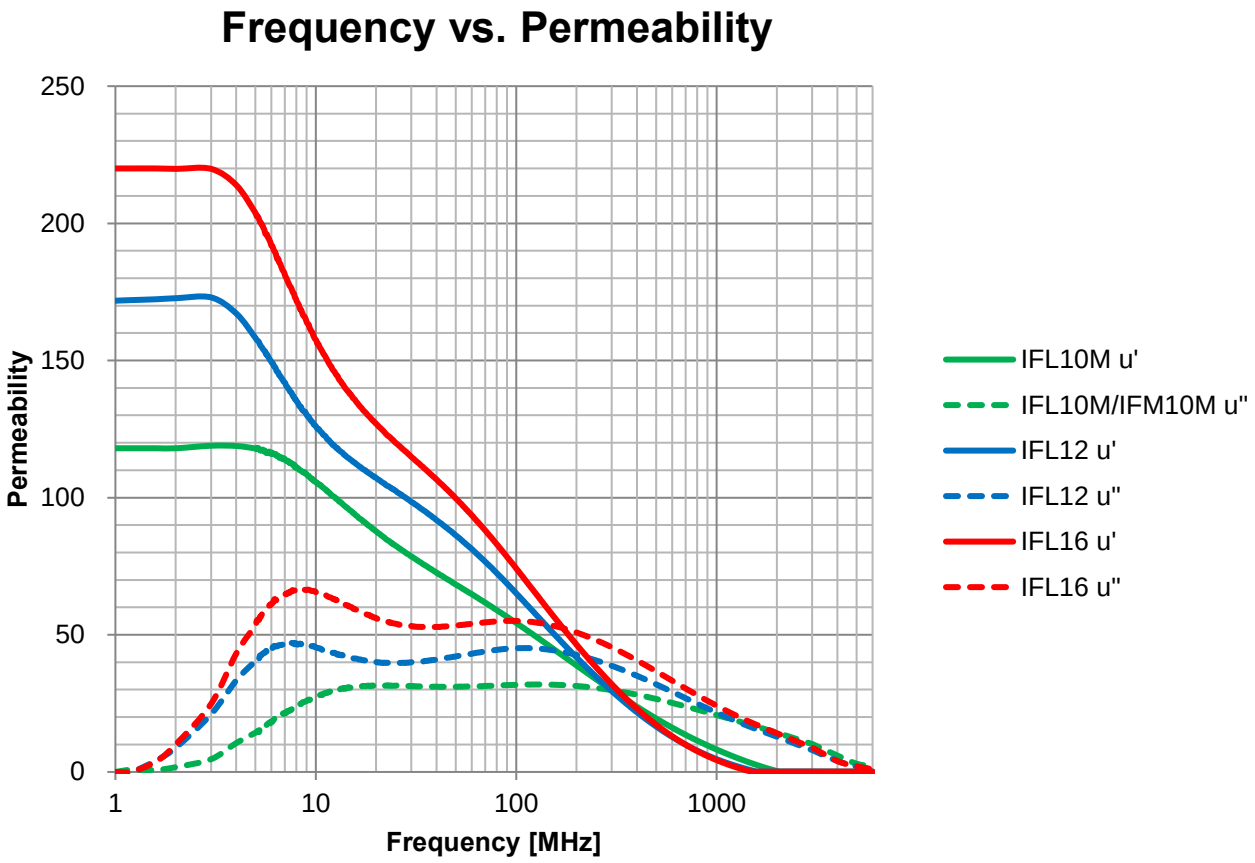
IFL(normal)

IFM(with copper)

IFF(Heat-resistant)

Material characteristic(Relative permeability)

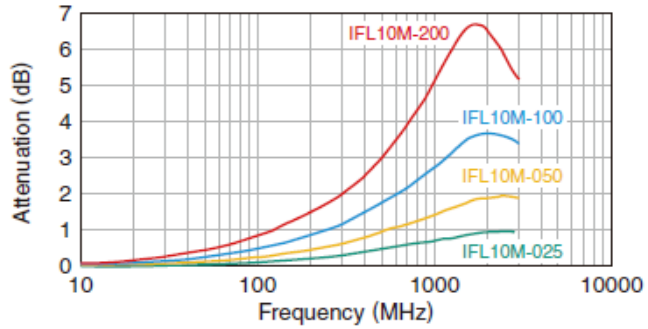
Material name	Recommended specification frequency range	Relative permeability (at 1MHz)	Surface resistivity (Ω/sq.)min	Thermal conductivity (W/m･K)	Operating temperature range (℃)
IFL10M	10MHz to 3GHz	120	1M	1.5	-40 to +85
IFL12	5MHz to 3GHz	180	10k	1.5	-40 to +85
IFL16	0.5MHz to 1GHz	220	10k	1.5	-40 to +85
IFF08	10MHz to 3GHz	100	1M	1.5	-40 to +125
IFM10M	0.5MHz to 10GHz	120	1M	1.5	-40 to +85



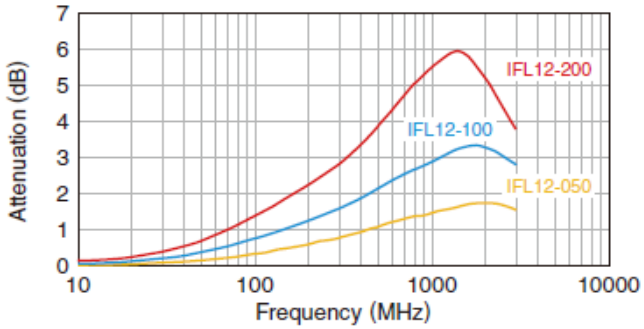
Material characteristic(Transmission attenuation)

□TRANSMISSION ATTENUATION

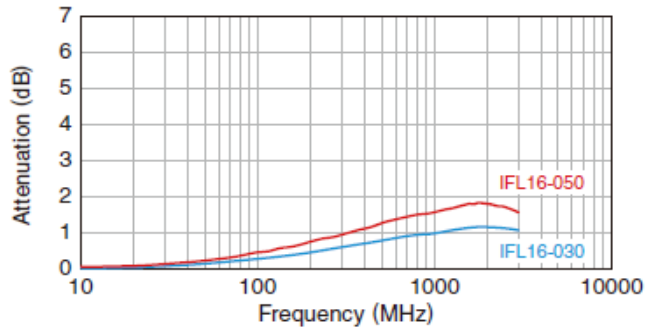
IFL10M



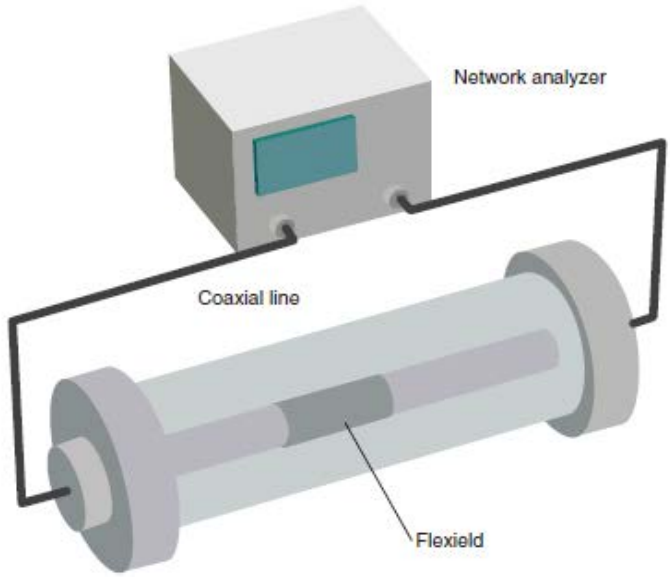
IFL12



IFL16



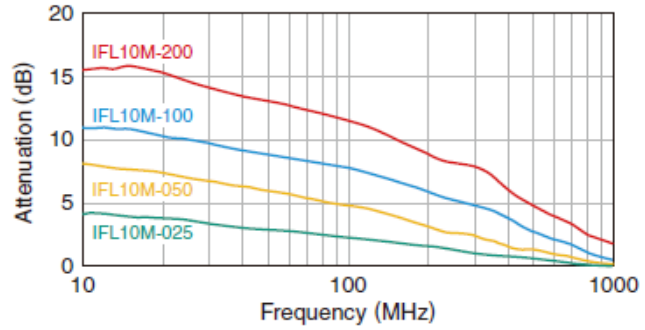
□TRANSMISSION ATTENUATION TESTING METHOD (Transmission measurement in a coaxial track)



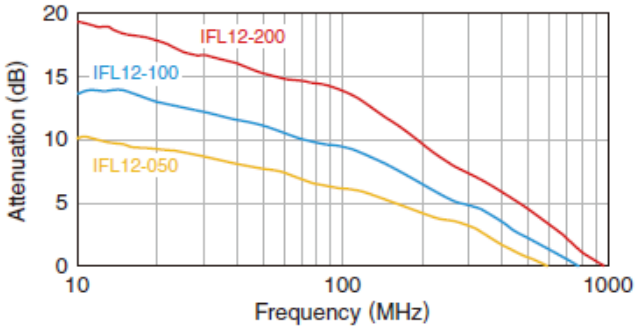
Material characteristic(Transmission attenuation)

□NEIGHBORHOOD MAGNETIC FIELD ATTENUATION

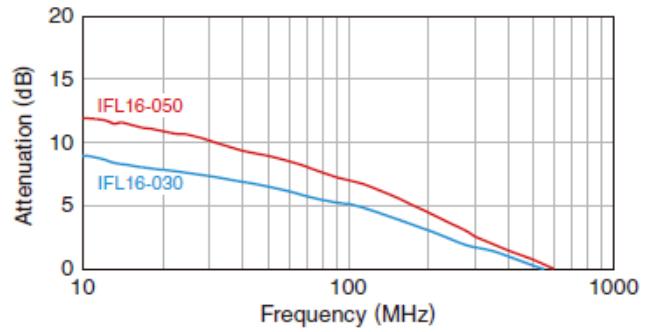
IFL10M



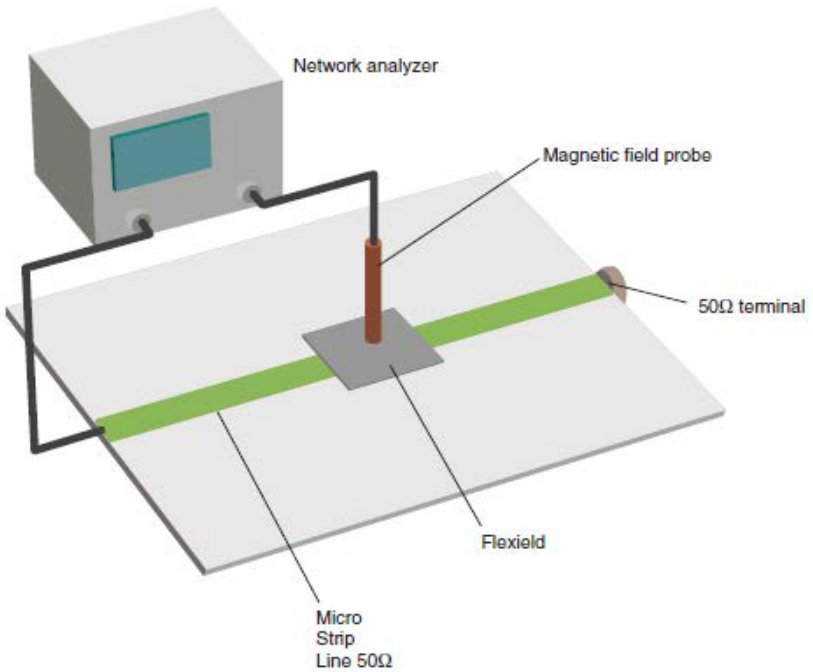
IFL12



IFL16



□NEIGHBORHOOD MAGNETIC FIELD ATTENUATION TESTING METHOD (Magnetic field measurement on the microstrip line)



MAGNETIC SHEET

Oct. 2017 Ver.1.0
TDK Corporation

Magnetic Sheets for NFC & RFID
- Flexield -

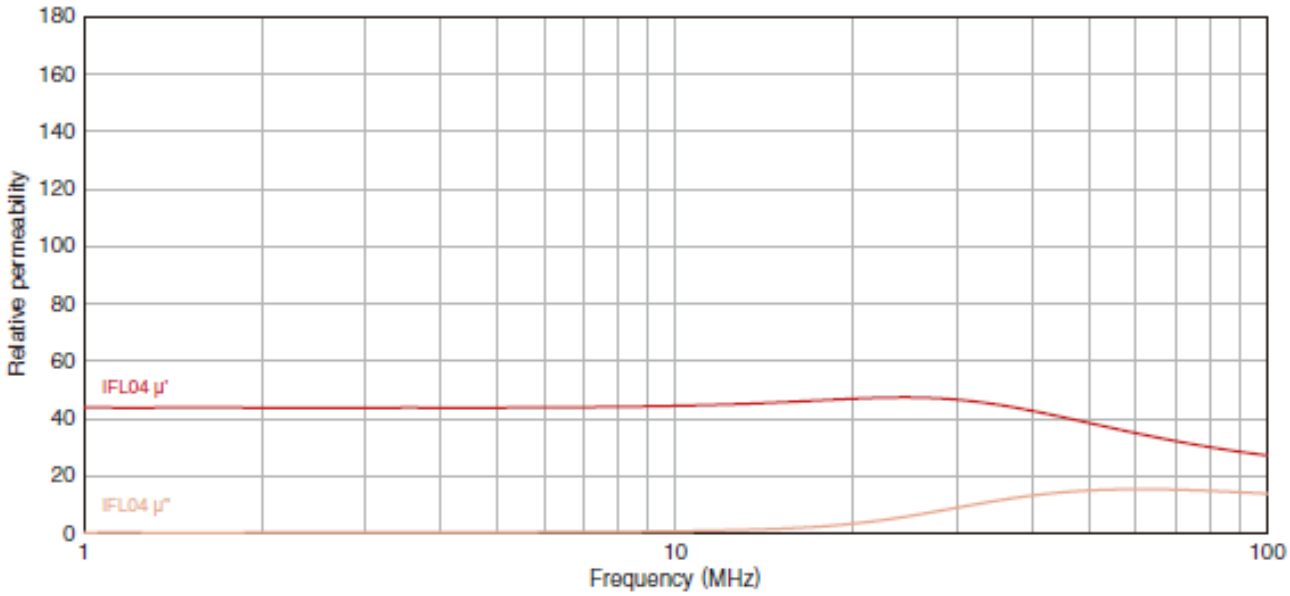
Series name

IFL04 series

Material characteristic(Relative permeability)

Material name	Relative permeability (at 13.56MHz) typ.	Surface resistivity (Ω/sq.)min	Thermal conductivity (W/m･K)	Operating temperature range (℃)
IFL04	u'/u"=45/1.3	10k	1.5	-40 to +85

□ RELATIVE PERMEABILITY



REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using these products.

⚠ REMINDERS

When mounting on live electrical parts directly, there is a fear that an insulation accident is caused, so please consider on the design in case of use.

There is a fear that sullenness of double sided adhesive tape occurs, so please refrain from the use to a part where you wind repeatedly by which it's for the hinge part.

The products listed on this specification sheet are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.
The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property. When the damage occurs by having been used the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please understand that the responsibility cannot be taken.

1. Aerospace/Aviation equipment
2. Transportation equipment (cars, electric trains, ships, etc.)
3. Medical equipment
4. Power-generation control equipment
5. Atomic energy-related equipment
6. Seabed equipment
7. Transportation control equipment
8. Public information-processing equipment
9. Military equipment
10. Electric heating apparatus, burning equipment
11. Disaster prevention/crime prevention equipment
12. Safety equipment
13. Other applications that are not considered general-purpose applications

When using these products in general purposes and standard use, it is recommended that protection circuits are used, devices are secured, and backup circuits are kept for increased safety.

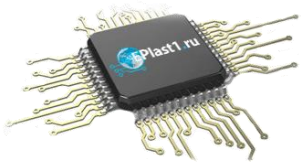
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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