



Magnetic Sheets for RFID - Flexield -

Series name

IBQ Series

IBQ Series

■ FEATURES

- High permeability (μ') and low magnetic loss (μ'') material for up to 13.56MHz applications
- It's also possible to load on a little gap because it's thin type
- Flexible seat
- Protects system from metal objects located directly behind coils
- Offer by a reel type is possible

■ TEMPERATURE RANGE

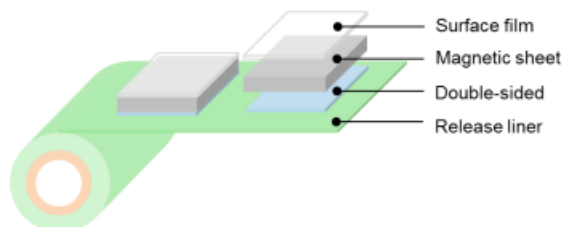
Operating temperature
−40 to +85 °C

■ STANDARD SHAPE LIST

Material name	Magnetic layer thickness (mm)	Sheet dimensions (mm)	Reel type dimensions (mm)
IBQ11、IBQ14	0.045	-	50x50
	0.100	125 X 125	50x50
IBQ15、IBQ17	0.180	125 X 125	-
	0.200	-	50x50



Sheet



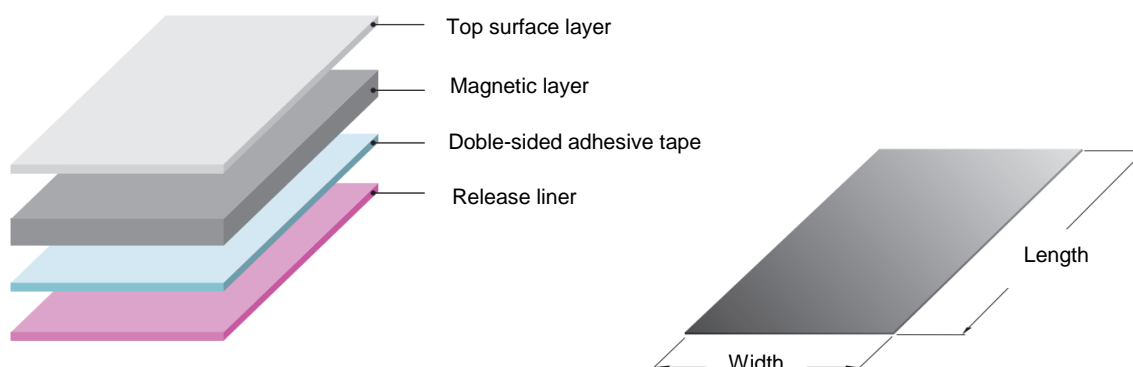
Reel

Oct. 2024 Ver.1.0
TDK Corporation

IBQ Series Sheet Type

PART NUMBER CONSTRUCTION

IBQ	15	-	100		D		D		125	X	125	
Series name	Material symbol		Magnetic layer thickness (mm)		Top surface layer thickness (mm)		Double-sided adhesive tape thickness (mm)		Length (mm)		Width (mm)	
IBQ	11		100	0.100	B	0.01	B	0.01	125	125	125	125
	14		180	0.180	D	0.03	D	0.03				
	15											
	17											



STANDARD PART NUMBER LIST

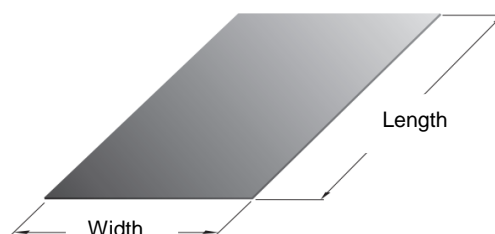
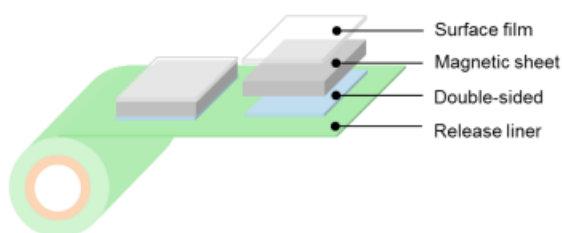
(Typical)				
Material name	Part number	Sheet dimensions (mm)	Magnetic layer thickness (mm)	Total thickness (mm)
IBQ11	IBQ11-100BB125X125	125x125	0.100	0.120
	IBQ11-180DD125X125		0.180	0.240
IBQ14	IBQ14-100BB125X125	125x125	0.100	0.120
IBQ15	IBQ15-100BB125X125	125x125	0.100	0.120
	IBQ15-180DD125X125		0.180	0.240
IBQ17	IBQ17-100BB125X125	125x125	0.100	0.120
	IBQ17-180DD125X125		0.180	0.240

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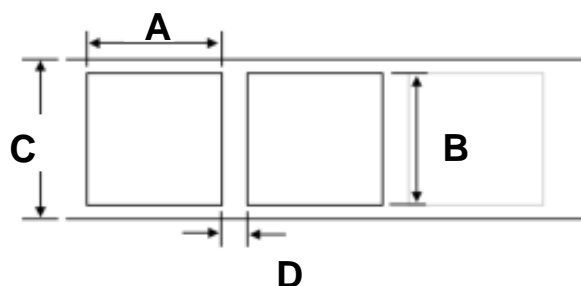
IBQ Series Reel Type

PART NUMBER CONSTRUCTION

IBQ	15	-	100		D		D		R		50		X	50	
Series name	Material symbol		Magnetic layer thickness (mm)		Top surface layer thickness (mm)		Double-sided adhesive tape thickness (mm)		Type		Width (mm)			Width (mm)	
IBQ	11		045	0.045	B	0.01	B	0.01	R	Reel	50	50		50	50
	14		100	0.100	C	0.02	C	0.02							
	15		200	0.200	D	0.03	D	0.03							
	17														



SHAPE & DIMENSIONS



•Size (Tolerance)
 A & B : Maximum 60mm
 (<50mm:±0.3mm, 50≤A≤60:±0.5mm)
 C : Maximum 80mm (±0.5mm)
 D : Minimum 3 mm (±0.5mm)

STANDARD PART NUMBER LIST

Material name	Part number	Standard dimensions (mm)	Magnetic layer thickness (mm)	Package Quantity (pcs/reel)
IBQ11、IBQ14 IBQ15、IBQ17	IBQxx-045BBR50X50	50x50	0.045	1000pcs/reel
	IBQxx-100BBR50X50		0.100	1000pcs/reel
	IBQxx-200CCR50X50		0.200	1000pcs/reel

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

The products listed on this catalog 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.

If you intend to use 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 contact

us

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 designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.