



Features

Magnetic sheets Licalloy™ show great ability to boost the miniaturization and thin-shaping of readers and writers.

- ▶ Lineups of sheets with high permeability for the 13.56MHz band suitable for RFID system.
- ▶ Sheets are very flexible and allow a high degree of flexibility in the shaping process, and the thinnest in the industry.

Applications

- ▶ Cashless electronic payment over mobile phones, at kiosks, convenience stores and vending machines, traceability in factories (electronic tag), etc.

▣ **Typical Specifications**

Items	Specifications (TYP.)				
	HMSZS* (80R)	HMKXS* (60Q)	HMSZR* (80HF)	HMKXR* (60HQ)	HMKUR* (40HQ)
Frequency range	13.56MHz				
Recommended usage	TAG	Reader / Writer	TAG	Reader / Writer	
Permeability μ' (13.56MHz)	80	60	80	60	40
Permeability μ'' (13.56MHz)	25	2	25	2	1
Category temp.range	-40°C to +85°C				
Thickness (magnetic layer)	0.05mm	0.1 / 0.2mm	0.05mm	0.1 / 0.2mm	
Surface resistance	1×10^7				
Maximum dimension	300mm x 40m				
Halogen-free	N.A.		YES		
Flame retardance	UL94 V-0		N.A.		
Shape of supply	Sheet or Roll				

Note

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. This product is custom, for details please contact us.
3. Contact us for information on delivery methods and form.