

Flexield Product Line Summary



PRODUCT FEATURES

- Flexible & thin noise suppression sheets
- Thickness: 25 μ m ~ 200 μ m
- Permeability@1MHz: 45 ~ 220
- Frequencies: 0.5MHz to 3GHz
- Up to 1M Ω /sq min. Surface Resistivity
- Suppression of noise emitted from ICs & flexible cables
- Protection of circuits from noise emission
- Improving performance in RFID reader/writers & NFC
- Integrate IC cards/tags with metal
- Reduce noise in Automotive HUD, Camera, Harness, etc.

IFL10M | THIN TYPE



FEATURE	THICKNESS	TDK PART NUMBER
μ @1MHz > 120	0.025 mm	IFL10M-025NB300X200
	0.050 mm	IFL10M-050NB300X200
	0.100 mm	IFL10M-100NB300X200
	0.200 mm	IFL10M-200ND300X200

IFL12 | HIGH PERMEABILITY



FEATURE	THICKNESS	TDK PART NUMBER
μ @1MHz > 180	0.050 mm	IFL12-050NB300X200
	0.100 mm	IFL12-100NB300X200
	0.200 mm	IFL12-200NB300X200

IFL16 | SUPER HIGH PERMEABILITY



FEATURE	THICKNESS	TDK PART NUMBER
μ @1MHz > 220	0.030 mm	IFL16-030NB300X200
	0.050 mm	IFL16-050NB300X200
	0.100 mm	IFL16-100NB300X200

IFL04 | For NFC & RFID



FEATURE	THICKNESS	TDK PART NUMBER
Low Loss μ' =45 & μ'' =1.3 @13.56MHz	0.050 mm	IFL04-050NB300X200
	0.100 mm	IFL04-100NB300X200
	0.200 mm	IFL04-200ND300X200

IFL16 & IFM10M | HYBRID TYPE



FEATURE	THICKNESS	TDK PART NUMBER
μ @1MHz > 220 w/ AL PET (30 μ m)	0.030 mm	IFL16-030EB300X200
		IFL16-030GB300X200
μ @1MHz > 120	0.025 mm	IFM10M-025BB300X200

IFF08 | HEAT-RESISTANT TYPE



FEATURE	THICKNESS	TDK PART NUMBER
Max Operating Temperature 125°C	0.050 mm	IFF08-050ND300X200
	0.100 mm	IFF08-100ND300X200

Part Number Descriptions

①		②		③		④		⑤		⑥	
IFL		10M		025		N		B		300	
SERIES		MATERIAL TYPE		MATERIAL (T)		SURFACE FILM (T)		TAPE (T)		LENGTH	
IFL	Standard	04	High Q / Low Loss	025	0.025 mm	N	None	N	None	300	300 mm
IFM	w/ Copper	08	Ultra Thin Type	030	0.030 mm	P	0.016 mm	B	0.01 mm	1HR	100 m
IFF	Heat-Resistant	10M	Thin Metal Hybrid Type	050	0.050 mm	R	0.038 mm	D	0.03 mm		
		12	Super High Permeability	100	0.100 mm	E	0.045 mm				
		16	Ultra High Permeability	200	0.200 mm	G	0.045 mm				
						B	0.010 mm				
										WIDTH	
										200	200 mm
										300	300 mm

PRODUCT ILLUSTRATIONS

