Search for Productno.
KE-FG

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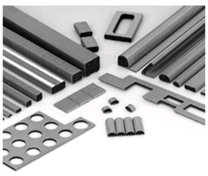
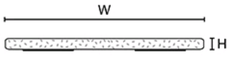


Easy to process and cut,various size and shapes are available

Feature

- Broad range of the most advanced and sophisticated EMI shielding gaskets Effectiveness from 30Mhz to 1GHz. The Core of polyurethane foam (which is approved as UL94 HF-1) in high resiliency provides high elasticity and very good self stability easy to process and cut. Gold gasket and Black gasket are available.



Wide Profile (I.O. Gasket)

Profile No.	Size (WxH)	Profile No.	Size (WxH)	Profile No.	Size (WxH)
KE-FG-W01	18.0 x 2.0	KE-FG-W14	31 x 2.0	KE-FG-W38	38.5 x 2.0
KE-FG-W02	20 x 2.0	KE-FG-W15	31 x 3.0	KE-FG-W41	41.0 x 3.5
KE-FG-W03	20 x 3.5	KE-FG-W16	32 x 1.0	KE-FG-W58	19.1 x 2.0
KE-FG-W04	21 x 1.0	KE-FG-W17	35 x 2.0	KE-FG-W60	21.8 x 2.0
KE-FG-W05	21 x 2.0	KE-FG-W18	38 x 2.0	KE-FG-W77	21.7 x 3.7
KE-FG-W06	21 x 2.5	KE-FG-W19	40 x 1.0	KE-FG-W125	55 x 1.2
KE-FG-W07	21 x 3.7	KE-FG-W20	40 x 2.0	KE-FG-W130	25.4 x 1.0
KE-FG-W08	21 x 4.0	KE-FG-W21	45 x 2.0	KE-FG-W140	25.4 x 1.5
KE-FG-W09	25 x 1.0	KE-FG-W22	55 x 2.5	KE-FG-W150	18 x 1.0
KE-FG-W10	25 x 2.0	KE-FG-W23	55 x 3.5	KE-FG-W160	41.8 x 1.0
KE-FG-W11	27 x 2.0	KE-FG-W24	60 x 2.0	KE-FG-W170	43.5 x 2.5
KE-FG-W12	30 x 3.0	KE-FG-W29	19.1 x 1.0		
KE-FG-W13	31 x 1.0	KE-FG-W30	21.8 x 1.0		

Conductive fabric

■Physical Property

Material	Plating Method	Weight (g/m²)	Thickness (mm)	Fabric Count (thread/inch)	
				warp	weft
PET 100%	NI+Cu+Ni	73±3	0.1±0.015	128.8	113.4

Tensil strength (kgf)		Extension (%)		Surface Resistance (Ω/cm²)		Shielding Effectiveness (dB)	
warp	weft	warp	weft	MIN	MAX	30MHz-1GHz	
49.7	38.8	23.6	27.9	0.03	0.05	60	70

Material/Form	Product Cross Section
PET 100%	

Type of Gasket	EMI GASKET	EMI GOLD GASKET	EMI BLACK GASKET
Symbol of fabric for Part.no.	VNN	GLD	BLK
Raw Material of Fabric	PET 100%	PET 100%	PET 100%
Plating	Ni+Cu+Ni	Ni+Cu+Ni+Au	Ni+Cu+Ni+Carbon
Composition	Rip stop	Taffeta	Rip stop
Foam Core (Polturethan eFoam)		UL 94 HF-1	
Shielding effectiveness (dB)	80-100	80-100	80-100
Surface resistance (Ω/cm2)	less than 0.05	less than 0.03	less than 0.05
Electric resistance (Ω/cm2)	less than 0.03	less than 0.02	less than 0.03
Compression Set	30%	30%	30%
Compression load deflection	2 kg	2 kg	2 kg
Flame retardant	UL 94-VO	N/A	N/A
Service Temp.	-20°C to 85°C	-20°C to 85°C	-20°C to 85°C
Advantage	Lower Cost price	Better Conductivity No Finger Print	water-resistant

Poly Urethane Foam

Material SFML-13	Classification	Density kg/m³	25ILD	Ball Rebound	Tensile Strength	Tear Strength	Compression fatigue set (70°C, 22hr, 50%)	Elongation	Flame retardant
	Unit	kg/m	kg/314cm²	%	kg/cm²	kg/cm	%	%	m/min
Polyurethane Foam	Typical	45±3	30~35	50 min	Min. 1.5	Min. 0.4	Max. 6	Min. 120	pass
	values	45.70	34.38	52	1.869	0.877	4.53	122.43	pass
	Reference	JIS-K-6401	JIS-K-6401	JIS-K-6401	JIS-K-6401	JIS-K-6401	JIS-K-6401	JIS-K-6401	FMVSS-302

■Pressure Sensitive Adhesive (P.S.A.)

Specification	Standard adhesive (VTM-0)	Conductive Adhesive
Part No	Nitto 5011N	CMFT-130-D
Thickness	0.16mm	0.12mm
Recommended Operating Temperature	-20°C to 120°C	-20°C to 120°C
Colour	white	gray

Tape of fabric
VNN Standard EMI Gasket with Ripstop Fabric and NiCu coating, UL94-VO
GLD Gold Gasket with Taffeta Fabric and Au coating
BLK Black Gasket with Ripstop Fabric and Carbon coating

Profile No.
D = D-Profile
F = Flat Profile
C = C-Fold Profile
R = Rectangular Profile
K = Knife Edge Profile
P = P-Profile
W = Wide Profile (I.O. Gasket)

Tape of Adhesive
T with adhesive
N without adhesive
D with conductive adhesive
KT adhesive with kisscut finish (half cut on liner)
KD conductive adhesive with kisscut finish (half cut on liner)

KE-FG	-	D01	VNN	0500	T	SP

KITAGAWA Foam Gasket

Length (in mm)

Suffix SP is added in case of any special option like Die Cut

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