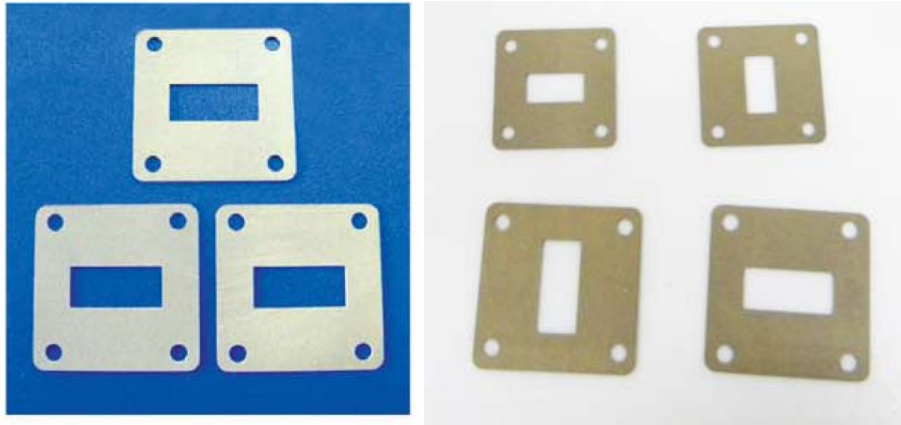


➤ *Waveguide Flat Gasket*



【Product Introduction】

The waveguide flat gasket is made of silicone rubber filled with silver-plated particles and has the greatest electrical conductivity. The choke groove connection type flange gasket is molded by copper silver-plated conductive rubber (composite 873), and the cross section has a solid core circle and a solid core "D" shape.

The flat flange connection gasket is punched and cut from copper silver-plated rubber (composite 877) with a thickness of 0.69mm. The copper silver-plated rubber has an extended copper metal filler to eliminate cold deformation.

All gaskets can be reused without damaging the flange metal surface.

【Application】

Waveguide flat gasket provide circuit designers with a variety of RF and pressure seals that can be used in any waveguide device. It is widely used in the EMP and TEMPEST occasions of complex electronic countermeasures, communications, radar and navigation systems in the military, aerospace and aerospace fields.

At a closing pressure of 50-200 psi.

It is recommended that the design compression be transformed into:

Rectangular section: 7%~10% of thickness

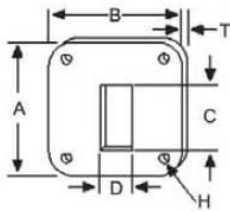
Circular section: 18%~20% of the diameter;

"D" section: 12%~15% of height

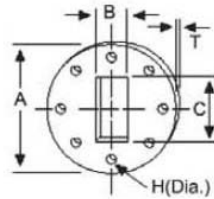
【Specification】

Material	Magnetic Field 100KHz	Electric Field 10MHz	Plane Wave		Colour	Hardness	Body Resistance	Tear Strength	Elongation	Temperature
			1GHz	10GHz						
873	75dB	130+dB	115dB	110dB	Gray	85±7	0.005 Ω-cm	2.7MPa	100/300%	-45~+125
877	75dB	130+dB	115dB	110dB	Red	80±7	0.007 Ω-cm	4.05MPa		

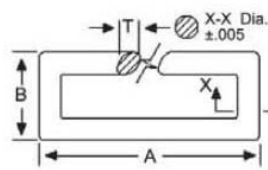
Waveguide Flat Gasket Type



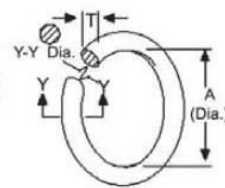
Type 1



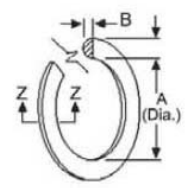
Type 2



Type 3



Type 4



Type 5

- 1. Die cut square
- 2. Die-cut round
- 3. Molded square with "O" shaped cross section
- 4. Molded round with "O" shaped cross section
- 5. Molded round with "D" shaped cross section

Waveguide Flat Gasket Size

Type 1 Waveguide Flat Gasket Size inch [mm]

A ±0.15[0.38]	B ±.015[0.38]-0	C ±.015[0.38]-0	D ±.015[0.38]	H ±.010[0.25]	T ±.015[0.13]	Product Code
.750[19.05]	.750[19.05]	.145[3.68]	.285[7.24]	.116[2.95]	.027[0.69]	87-87000
.875[22.23]	.875[22.23]	.175[4.45]	.425[10.80]	.116[2.95]	.027[0.69]	87-87001
1.313[33.35]	1.313[33.35]	.630[16.00]	.320[8.13]	.140[3.56]	.027[0.69]	87-87002
1.625[41.28]	1.625[41.28]	.905[22.99]	.405[10.29]	.169[4.29]	.027[0.69]	87-87003
1.594[40.49]	2.094[53.19]	.405[10.29]	.905[22.99]	.169[4.29]	.027[0.69]	87-87004
1.875[47.63]	1.875[47.63]	1.130[28.70]	.505[12.83]	.180[4.57]	.027[0.69]	87-87005
1.750[44.45]	2.500[63.50]	.505[12.83]	1.130[28.70]	.171[4.34]	.027[0.69]	87-87006
1.937[49.20]	2.687[68.25]	.633[16.08]	1.380[35.05]	.206[5.23]	.027[0.69]	87-87008
2.438[61.93]	3.188[80.98]	.805[20.45]	1.600[40.64]	.257[6.35]	.027[0.69]	87-87009
3.500[88.90]	3.500[63.50]	1.880[47.75]	.880[22.35]	.266[6.76]	.027[0.69]	87-87011
4.500[114.30]	3.000[76.20]	2.850[72.39]	1.350[34.29]	.266[6.76]	.027[0.69]	87-87013

Type 2 Waveguide Flat Gasket Size inch [mm]

A ±0.15[0.38]	B ±.015[0.38]-0	C ±.015[0.38]-0	H ±.010[0.25]	T ±.015[0.13]	Product Code
3.125[79.38]	.632[16.05]	1.382[35.10]	.234[5.84]	.027[0.69]	87-87007
3.625[92.08]	.882[22.40]	1.882[47.80]	.234[5.94]	.027[0.69]	87-87010
5.312[134.93]	1.350[34.29]	2.850[72.39]	2.90[7.37]	.027[0.69]	87-87012

Type 3 Waveguide Flat Gasket Size inch [mm]

A ±0.15[0.38]	B ±.015[0.38]-0	T ±.015[0.13]	Product Code
1.368[34.75]	.868[22.05]	.103[2.62]	87-83005
1.616[41.05]	.991[25.17]	.103[2.62]	87-83008
1.866[47.40]	1.116[28.35]	.103[2.62]	87-83010
2.449[62.20]	1.449[36.80]	1.39[3.53]	87-83012
2.451[87.66]	1.951[49.56]	1.39[3.53]	87-83014

Type 4 Waveguide Flat Gasket Size inch [mm]

A ±0.15[0.38]	T ±.015[0.13]	Product Code
2.001[51.08]	.123[3.12]	87-83009
2.683[68.15]	.115[2.92]	87-83011

Type 5 Waveguide Flat Gasket Size inch [mm]

A ±0.15[0.38]	B ±.015[0.38]-0	T ±.015[0.13]	Product Code
.410[10.41]	.065[1.42]	.082[2.08]	87-83000
.587[14.91]	.048[1.22]	.078[1.98]	87-83001
.885[22.48]	.125[3.18]	.155[3.94]	87-83002
1.340[34.04]	.088[2.24]	.095[2.41]	87-83003
1.310[33.27]	.077[1.96]	.115[2.92]	87-83004
1.392[25.36]	.085[2.16]	.095[2.41]	87-83006
1.550[39.37]	.078[1.78]	.105[2.68]	87-83007
3.910[99.31]	.188[4.76]	.240[6.10]	87-87103