



Model Number:  
**WGGXX-XXXXXX**

RF Components

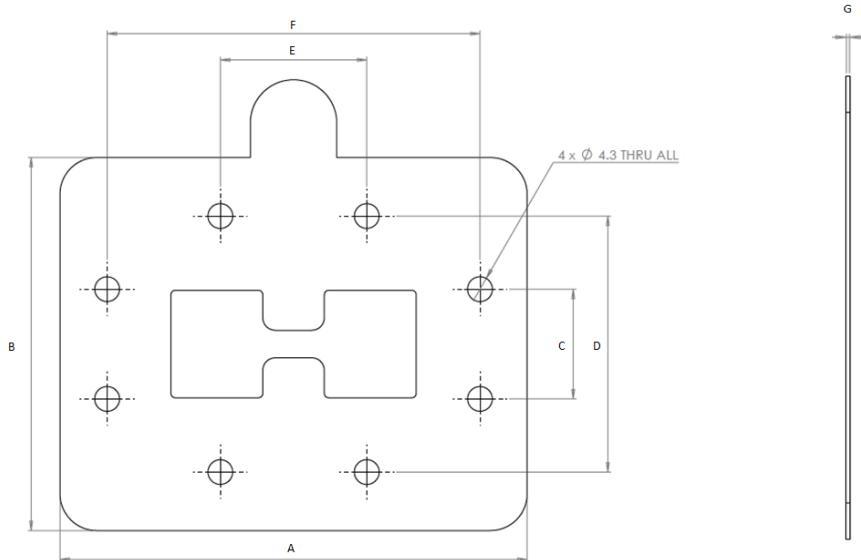
# Waveguide Gaskets

## Conductive Gaskets

Designed specifically for waveguide flange applications the material, comprising of silicone elastomer and nickel coated graphite particles, provides a high level of tear strength (15kN/m) and offers flow resistance under high compression forces in the absence of mechanical compression limits. The material provides excellent resistance to extremes of temperature and long term ageing and exhibits good galvanic (electro-chemical) stability when used with aluminium alloys, particularly in humid or damp environments.

## Silver Loaded Gaskets

Silver loaded gaskets are made of an electrically conductive composite material comprising of silicone elastomer and silver-plated aluminium particles. The material offers a combined high level of EMI shielding and environmental sealing over a wide temperature range, and exhibits good galvanic (electro-chemical) stability when used with aluminium alloys, particularly in humid or damp environments. The silicone elastomer base provides excellent resistance to environmental degradation.



\* Image representative only

		Specification	
		Conductive	Silver Loaded
Density	gcm-3	2.0	2.0
Hardness	Shore A	80	30-80
Volume Resistivity	$\Omega$ .cm	<0.05	<0.008
Tensile strength	MPa	2.5	1.7
Elongation Before Break (Min) %		200	100
Compression set	%	<10 (72hrs at 100°C)	<25 (72hrs at 100°C)
Service Temperature	(Max)	55°C to +160	55°C to +160

Shielding Effectiveness			
		Conductive	Silver Loaded
200kHz	(H field) dB	75	79
100MHz	(E field) dB	>100	105
500MHz	(E field) dB	>100	108
2GHz	(Plane wave) dB	>100	102
10GHz	(Plane wave) dB	>100	110

## Broadcast



## Marine Oil & Gas



## SNG & VSAT



## Satellite Teleport

