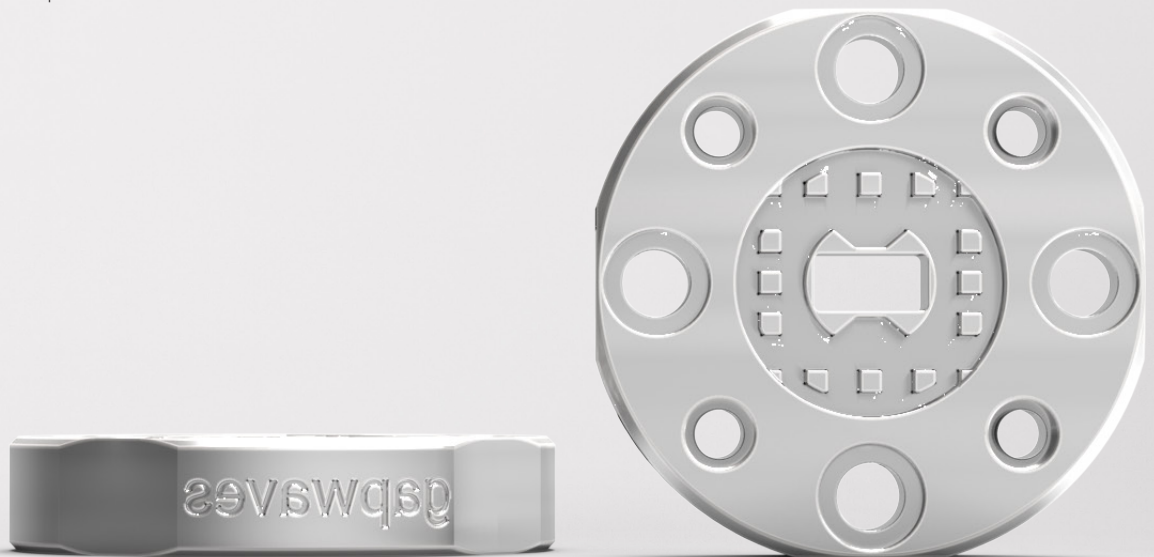


Flange adapter

Gapwaves offers an easy-to-mount GAP flange adapter for the V-band. By using the innovative GAP technology the adapter removes the need of electrical contact and the need for screws. Sustainable to use in high-speed production lines, millimeter wave laboratories and high frequency packaging.

The GAP Flange Adapter in summary

- Saves time when assembling measurement circuits
- Low losses in high frequency interfaces
- No electrical contact required



GAP Technology

GAP waveguides is a novel packaging technology for millimeter wave, terahertz circuits and components. The technology is based on an Artificial Magnetic Conductor (AMC) that enables contactless propagation of electromagnetic waves at GHz and THz frequencies, significantly reducing transmission losses due to non-perfect electrical contact. The versatile GAP waveguide technology provides unique possibilities of deep integration between antennas, diplexers and radio electronics. GAP antennas with multiple ports are suitable for beam steering applications.

About Gapwaves

Gapwaves AB was founded with the intention of commercializing innovative antenna products. Our mission is to provide leading solutions for millimeter wave and terahertz applications in radio communication, radars and wireless sensing. Based in Gothenburg, Sweden, Gapwaves AB holds all the leading patent rights to the GAP waveguide technology. Gapwaves also holds patents for several antenna products including the Eleven Feed antenna and self-grounded Bowtie UWB/MIMO antennas for scientific, military, and telecom use. scientific, military, and telecom use.

Technical specifications

Size	Ø19.0 x 3.6mm
Frequency range	50 - 75 GHz
Waveguide size	WR15
Return loss when tightly connected	< -30 dB
Typical return loss with up to 100µm airgap	< -25 dB
Maximum transmission loss	< -0.2 dB
Fully compatible with the standard	UG-387/U