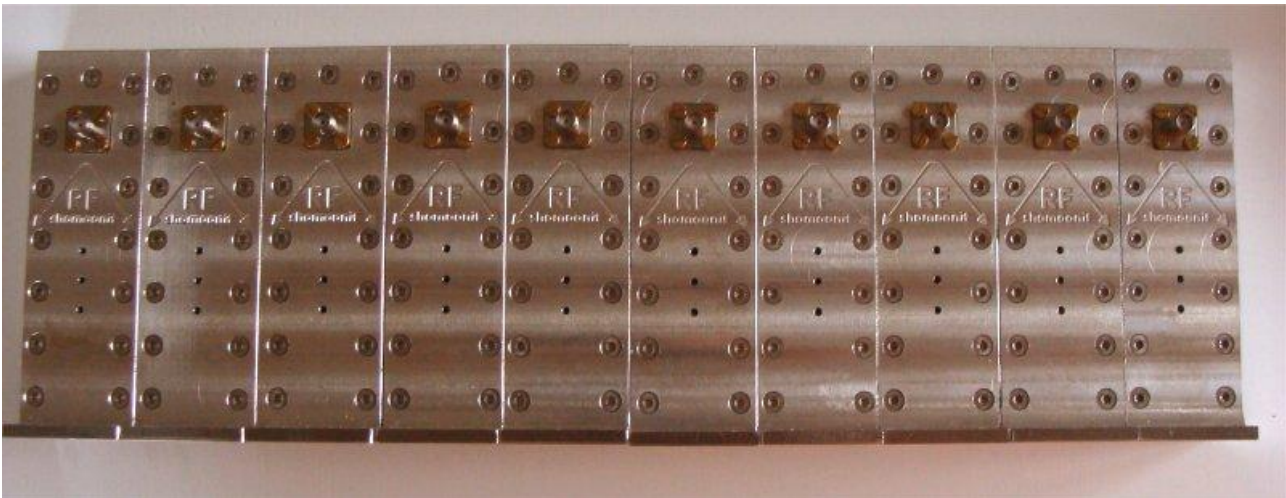


# RF-shamaanit Oy/RF Shamans Ltd.

## Low Loss WR-62/SMA(f) Waveguide Adapters

RF-shamaanit specifies, designs, manufactures and measures waveguide adapters for special applications and needs. Here is a special adapter that was designed for operation in a Low Power Bistatic X Band 3D Imaging Radar for scientific research. Our adapters may also be tuned for narrower specific frequency bands yielding even better Match and Return Loss if required.



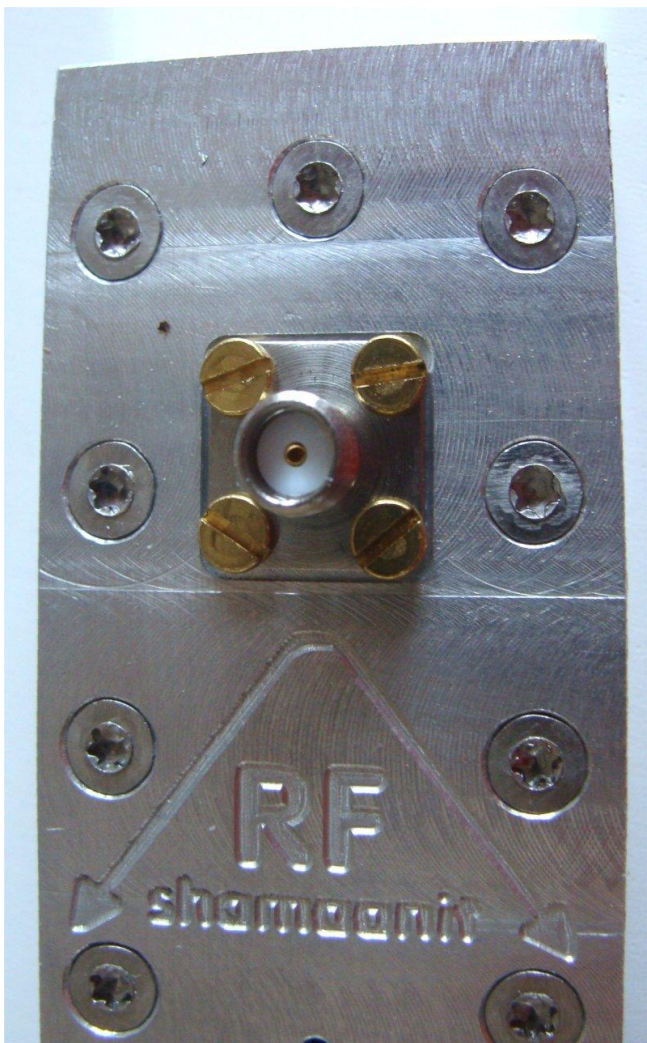
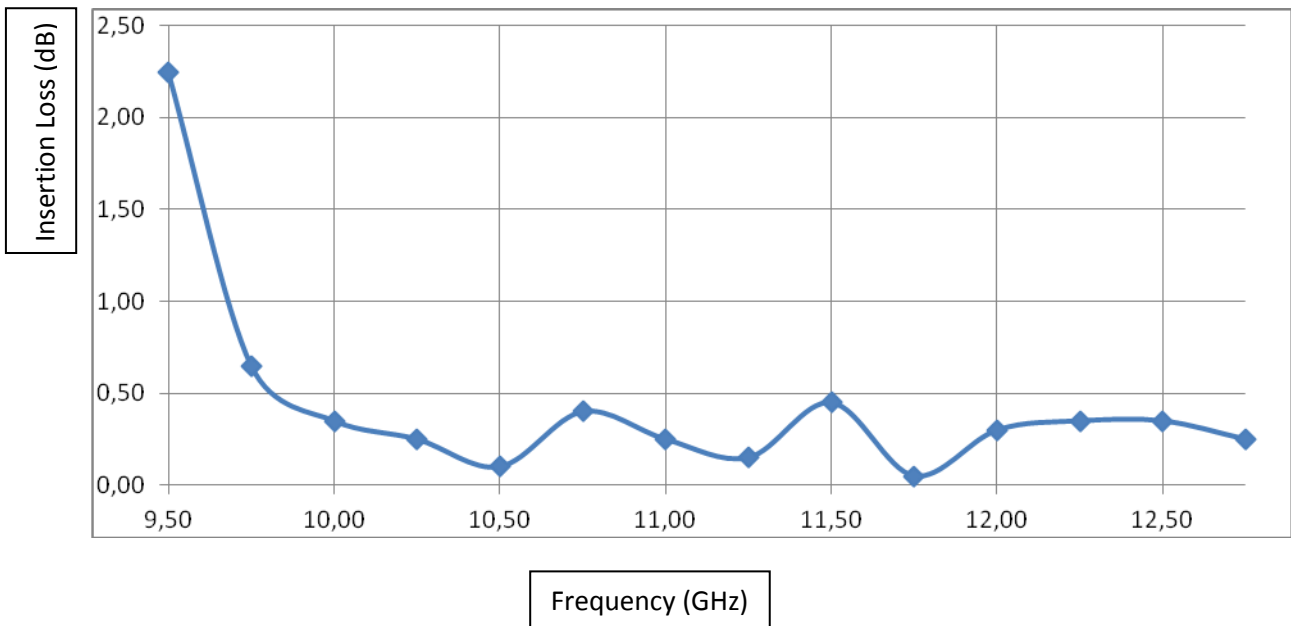
Batch of Low Loss WR-62 to SMA(f) waveguide adapters

We also provide antennas, radiators and applicators and other microwave components according to your special needs. Please feel free to contact us with your specific requirements and frequency demands.



This particular adapter has provision for tuning to any specific subband for even lower Insertion Loss and superior Return Loss.

This special Waveguide to Coaxial adapter was designed for the special need to use WR-62 guide and components well outside the nominal WR-62 frequency range of 12.4 – 18 GHz, just slightly above the cutoff frequency.



The WR-62 to coaxial design presented here was equipped with a Female Stainless Steel SMA connector, but we can facilitate any customer connector that complies with the relevant frequency specification of the device.

Our microwave and RF components can also be furnished with customer specified surface finish, e.g. silver, copper or gold plating. This may also be painted depending on requirement.

This presented WR-62 model was specified with machined aluminium surface finish and no painting for cost effectiveness.

Special qualities may also be specified, such as paired/tracking components etc.

Adapters may be provided with either magnetic or electric field coupling as per customer request.

Please feel free to contact us with your special component/devices needs at [info@rfshamaanit.fi](mailto:info@rfshamaanit.fi)