

## Technical data:

Parameter	Value
Operational frequency range	≈10.8-12.75 GHz
Insertion Loss	<0.35 dB in 75% of passband <1.6 dB in remaining 25% of passband
Return Loss	<20 dB in 80% of passband
Power	100 W
Mass	0.35kg
Dimensions	161x55x91 mm
Interfaces	WR75 Square WG
Operating temp.	-40/+90°C

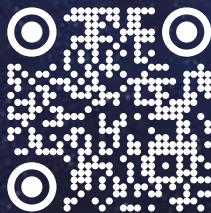
## Let's connect!

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📘 /wiranpoland

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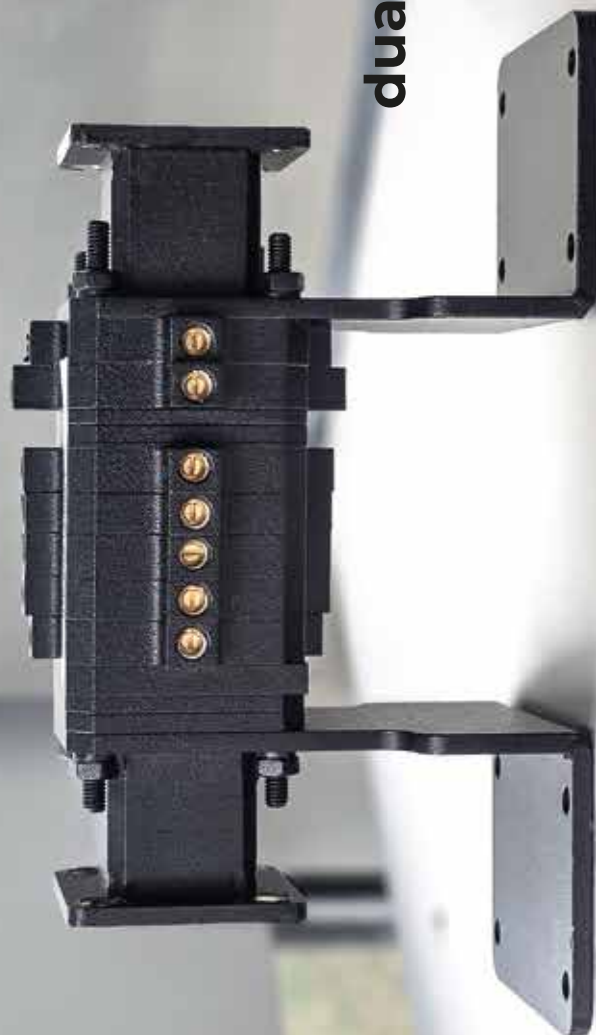


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# Ku TX

dual polarization  
filter



# Ku TX - Dual Polarization Filter – ESA Supervised

## Application Potential:

Designed for next-generation satellite missions.

Offers advanced design freedom: compact size, high power, enhanced selectivity.

## Key Features:

- Novel patent pending solution allowing for arbitrary placement of transmission zeroes.
- Complex filtering capabilities unavailable in conventional dual polarization filters.
- High power handling for demanding RF environments.
- Multipactor free.
- Exceptional out-of-band rejection.
- Compact and lightweight for flexible payload integration.

Chart:

