



S-Band Hybrid Coupler

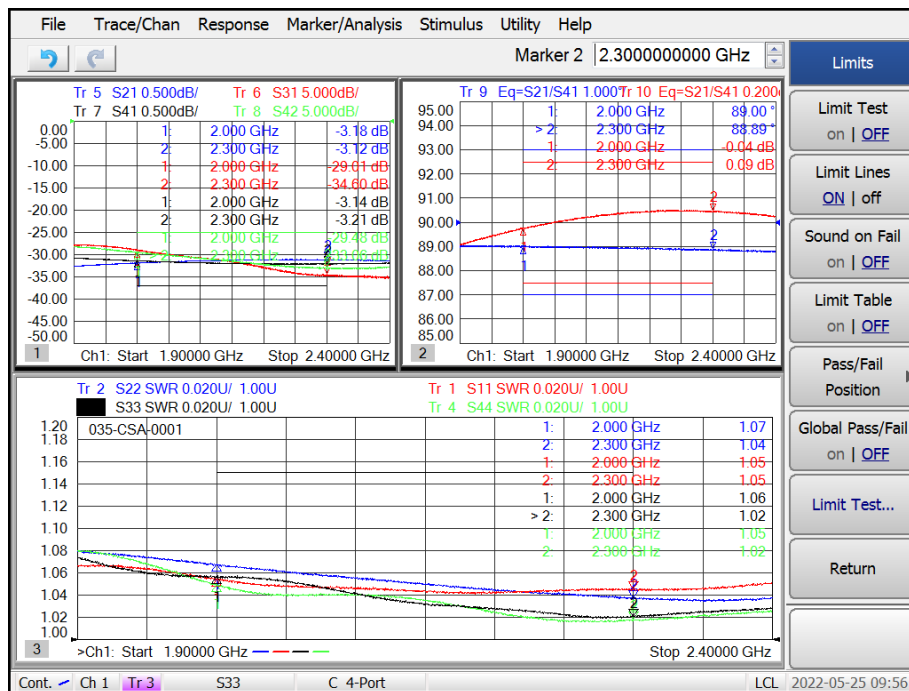
for nanosatellites applications & more

ABOUT

WiRan 90° Hybrid Couplers allow for easy and reliable splitting of an input RF signal equally between two output ports with a 90 degree phase shift. Can also work in reverse, combining 90 degree phase shifted signals.

FEATURES

- small dimensions, perfect for compact satellites
- excellent phase & amplitude balance
- low insertion loss & VSWR
- high isolation
- fully compatible with other WiRan S-Band products (diplexer, antenna and power splitter up to 2.3 GHz)
- high power handling



S parameters available on request

WiRan sp. z o.o.

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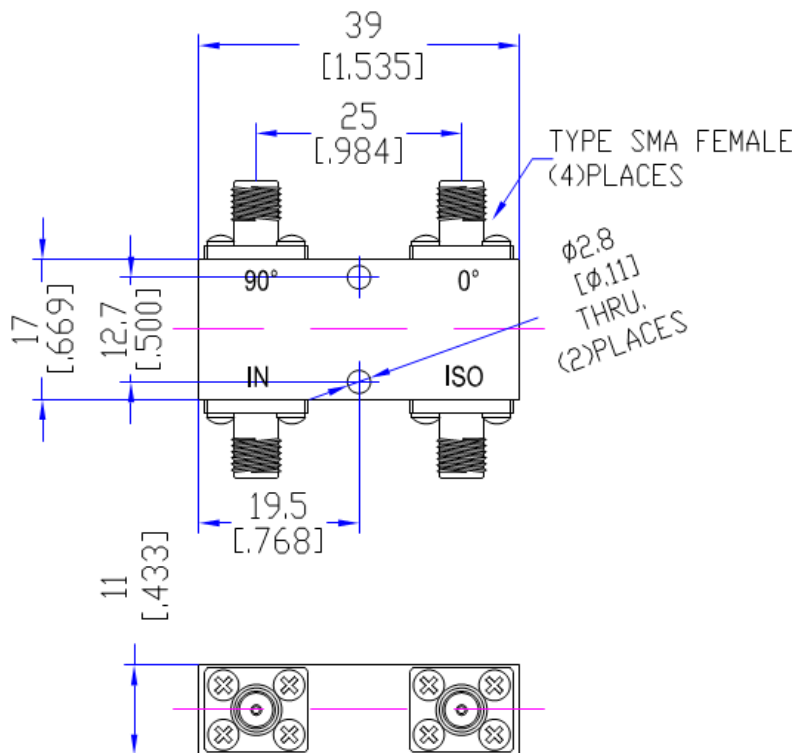
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Frequency Range	2~2.3GHz
Nominal Split	3.01±0.3dB
Insertion Loss	≤0.4dB (above nominal split)
Isolation	≥25dB
Amplitude Balance	≤±0.5dB
Phase Balance	≤±3°
Return Loss	≥23 dB
Power Handling	≤30 Watt
Impedance	50Ω
Port Connectors	SMA-Female
Operating Temperature	-75~+90°C
Weight	32 g



all values in mm
STEP files available on request

Ordering code	Description
CSA	S band hybrid coupler 2000-2300 MHz, CubeSat compatible