



S-band Splitter

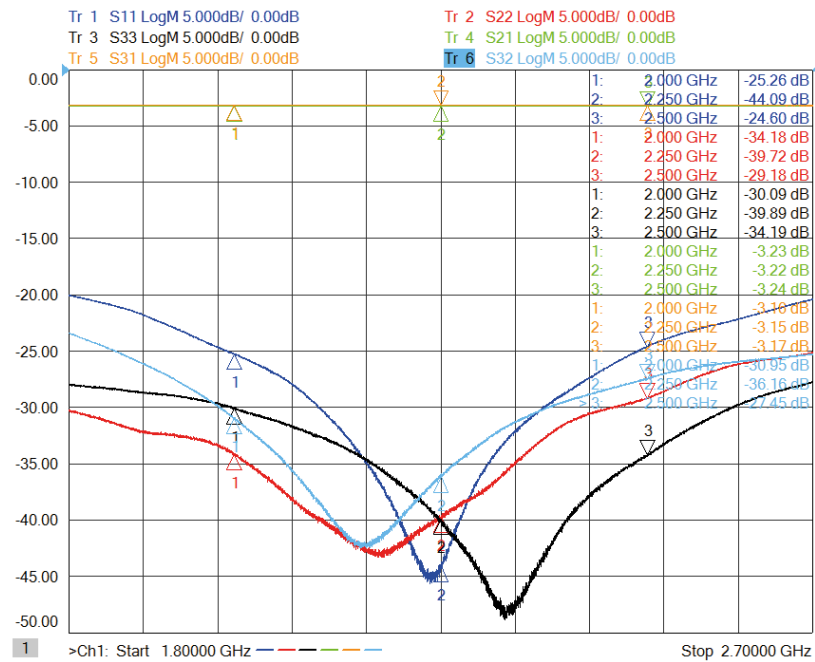
for nanosatellites applications

ABOUT

WiRan Power Dividers allow for easy splitting of RF power into two channels, providing excellent phase & amplitude balance, low Insertion Loss and VSWR and high isolation between channels.

FEATURES

- compliant with the CubeSat nanosatellite standard
- small dimensions, perfect for compact satellites
- silver coated lightweight aluminum housing
- fully compatible with other WiRan S-band products (diplexer, antenna)
- wide operational temperature range
- can work as a combiner



S-Parameters available on request.

WiRan sp. z o. o.

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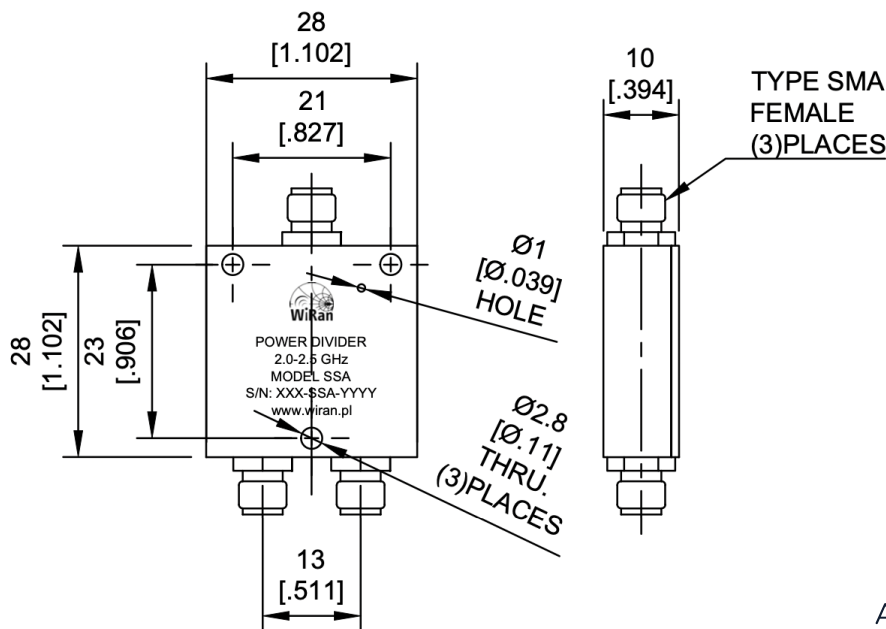


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Parameter	Value	Unit
Frequency range	2000-2500	MHz
Insertion Loss	≤ 0.30 (Above 3.01 dB split)	dB
VSWR	Input $\leq 1.25:1$ Output $\leq 1.20:1$	-
Isolation	≥ 25	dB
Amplitude Balance	≤ 0.2	dB
Phase Balance	≤ 2	°
Power Handling*	Forward 10 Reverse 5	W
Operating Temperature	-55 ÷ +85	°C
Weight	25	g
Impedance	50	Ω
RF interface	SMA female connectors	

* for altitude $1 < h < 100$ km (corona limited)
Forward 6W
Reverse 6W



All values in mm.
STEP files available on request.

Ordering code	Description
SSA	S-band Splitter 2000-2500MHz, CubeSat compatible