



# X-band Splitter

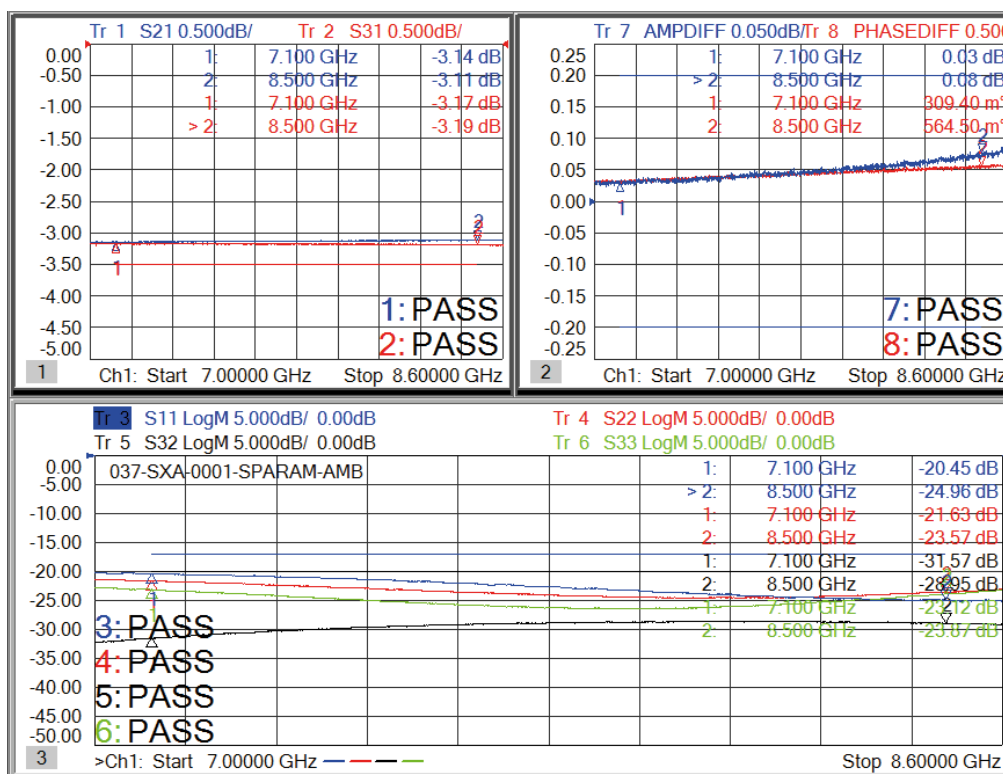
for nanosatellites applications

## ABOUT

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

## FEATURES

- compliant with the CubeSat nanosatellite standard
- small dimensions, perfect for compact satellites
- alodine coated lightweight aluminum housing
- wide operational temperature range
- can work as a combiner



S-Parameters available on request.

WiRan sp. z o. o.

Al. Zwycięstwa 96/98, 81-451 Gdynia

NIP 9581424107

+48 58 663 10 10

info@wiran.pl

www.wiran.pl



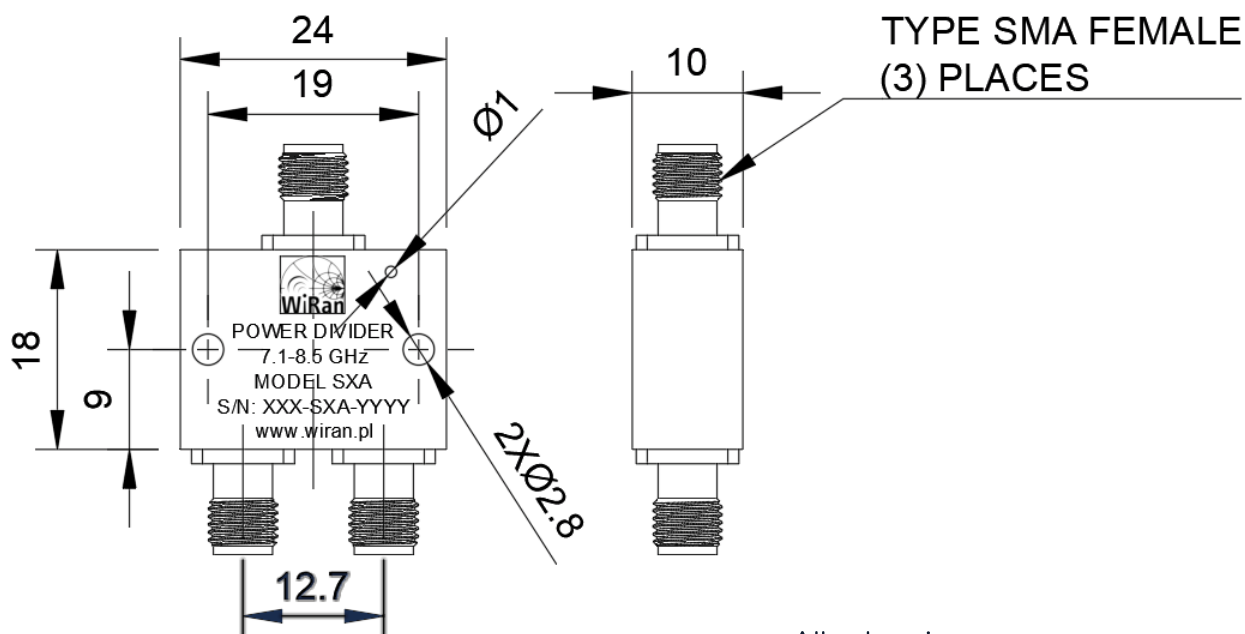


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Parameter	Value	Unit
Frequency range	7.1~8.5	GHz
Insertion loss	≤0.5 (above 3.01dB split)	dB
Return loss	≥17	dB
Isolation	≥20	dB
Amplitude balance	≤±0.2	dB
Phase balance	≤±2	°
Power handling *	Forward ≤30 (common port) Reversed ≤5 (each port at 20°C)	Watt
Operating temperature	-75 ÷ +90	°C
Weight	30	g
Impedance	50	Ω
Port connectors	SMA female connectors	

\* for altitude 1<h<100km (corona limited)  
Forward 14W  
Reverse 5W



All values in mm.

STEP files available on request.

Ordering code	Description
SXA	X-band Splitter 7100-8500 MHz, CubeSat compatible