



X-Band Hybrid Coupler

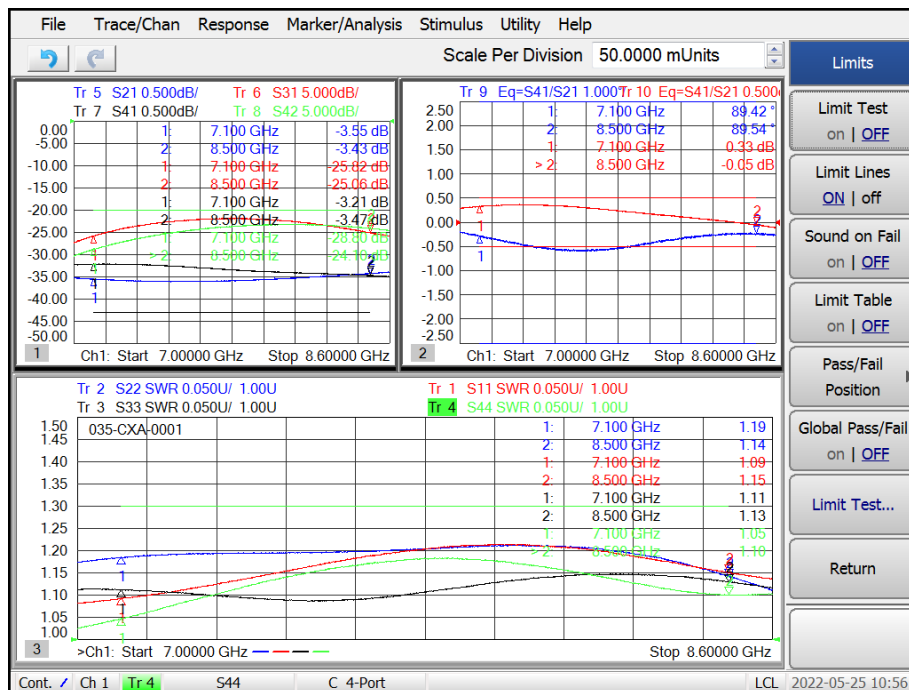
for nanosatellites applications & more

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 X-Band products (diplexer, antenna and power splitter)
- high power handling



S parameters available on request

WiRan sp. z o.o.

Pomeranian Science and Technology Park, Al. Zwycięstwa 96/98

81-451 Gdynia, Poland

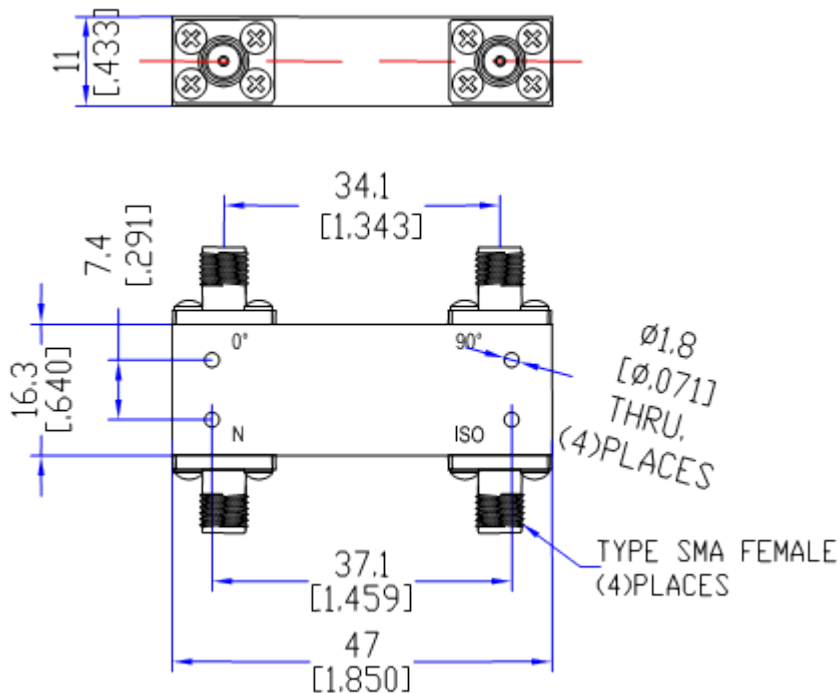
+48 58 663 10 10

wiran.pl, info@wiran.pl

X-Band Hybrid Coupler

for nanosatellites applications & more

Frequency Range	7.1 ~8.5GHz
Nominal Split	3.01±0.5dB
Insertion Loss	≤0.8dB (above nominal split)
Isolation	≥20dB
Amplitude Balance	≤±0.5dB
Phase Balance	≤±5°
Return Loss	≥17.5 dB
Power Handling	≤30 Watt
Impedance	50Ω
Port Connectors	SMA-Female
Operating Temperature	-75~+90°C
Weight	35 g



all values in mm
STEP files available on request

Ordering code	Description
CXA	X band hybrid coupler 7100-8500 MHz, CubeSat compatible