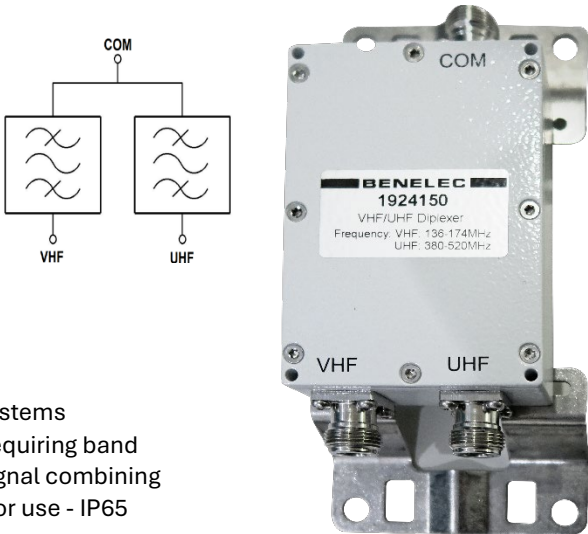


RF Diplexer

136-174MHz & 380-520MHz

The Benelec 1924150 Diplexer maximises the efficiency of your radio communication setup with this high-performance VHF/UHF Diplexer, designed to seamlessly split or combine signals across two distinct frequency bands. Whether you're integrating a dual-band antenna with separate radios or connecting a dual-band radio to band-specific antennas, this compact high-power diplexer ensures optimal signal isolation with minimal insertion loss.



FEATURES

- Compact, low weight
- Power 100W(CW)/500W(PEP)
- High isolation
- Electropolished stainless-steel brackets
- Low insertion loss
- High reliability

APPLICATIONS

- Public Safety Systems
- Base Stations requiring band separation or signal combining
- Indoor or outdoor use - IP65

ELECTRICAL SPECIFICATIONS

Frequency	VHF: 136 - 174 MHz UHF: 380 - 520 MHz
Insertion loss	VHF: ≤ 0.5 dB UHF: ≤ 0.5 dB
VSWR	≤ 1.3
VHF – UHF Isolation	> 60 dB
Power Handling Per Port	100 W(CW) /500W(PEP)
Impedance	50 Ω

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +95°C
Operating Humidity	Up to 95% (not condensing)
Vibration	Sinus according to MIL STD 167-1 type 1 Random according to MIL STD 810F method 514.5
Shock	MIL-STD-810F method 516.5
Salt Spray	MIL-STD-810F method 509.4

MECHANICAL SPECIFICATIONS

Connectors Type	N Socket
Dimensions	100x 70x27 mm (excluding connectors and mounting)
Colour	Light grey (RAL 7035)
Mounting	Pole Mounting: Brackets/Clamps for Φ40-135 mm Pole/Mast installation Wall Mounting:M8*80 Expansion bolt
Net Weight	500 g

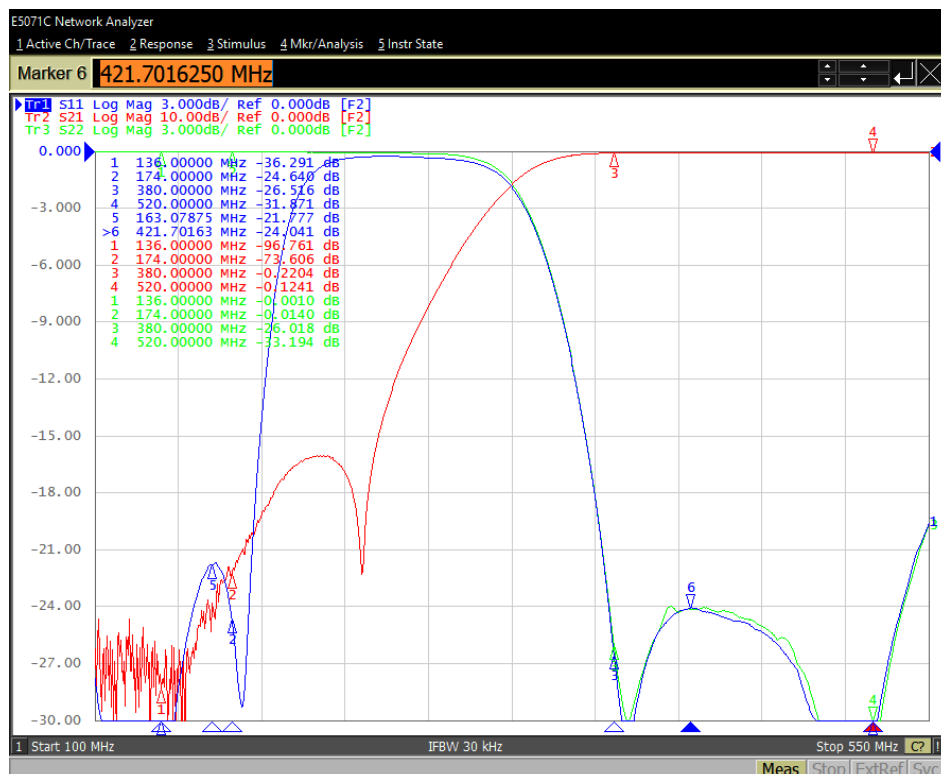
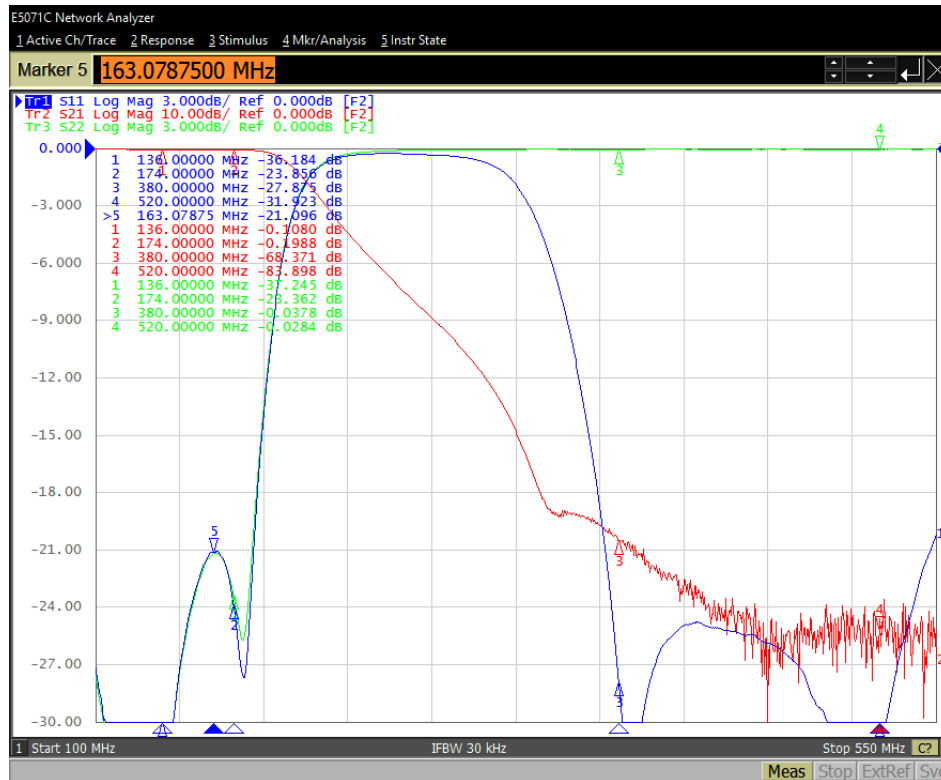
PACKAGING

1 pc per Box
Carton Dimensions: 270 x 180 x 90 mm
Gross Weight: 600 g

RF Diplexer

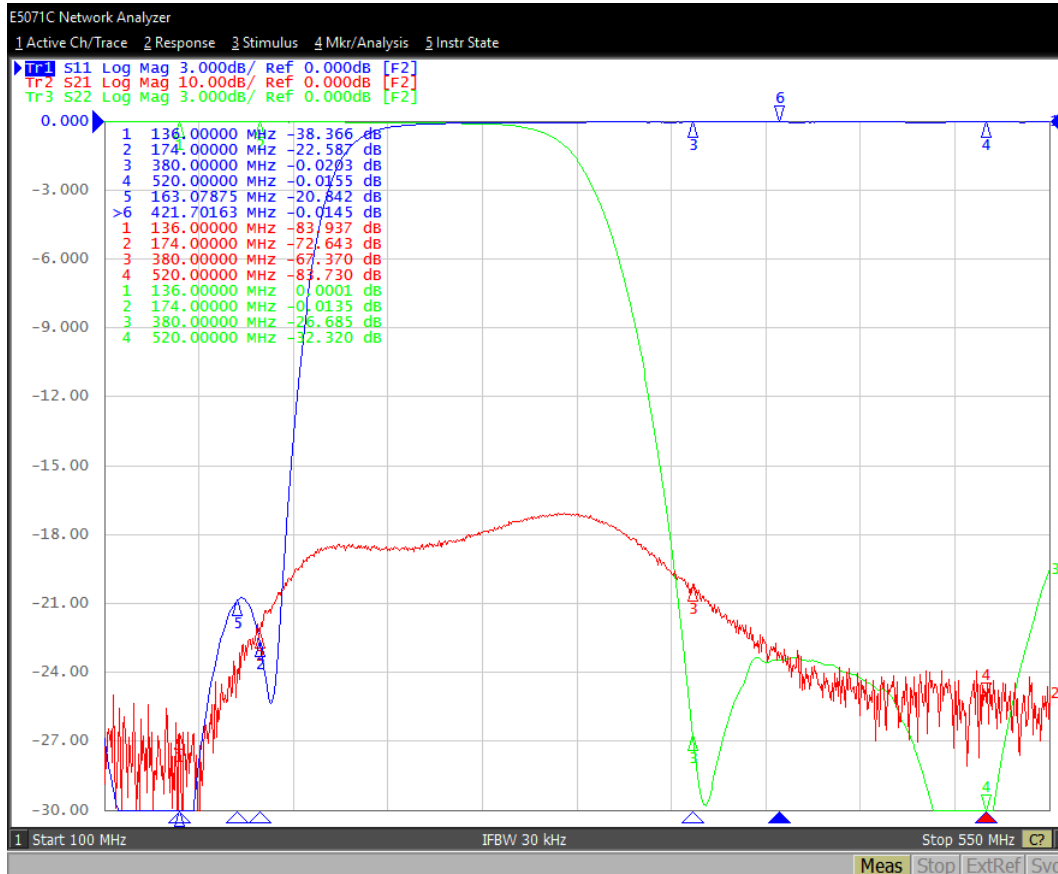
136-174MHz & 380-520MHz

VSWR



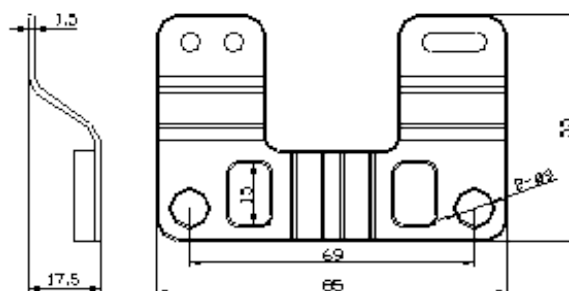
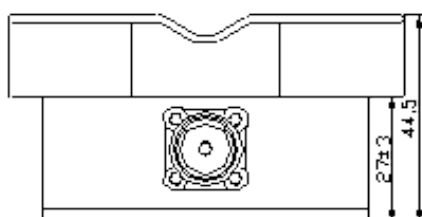
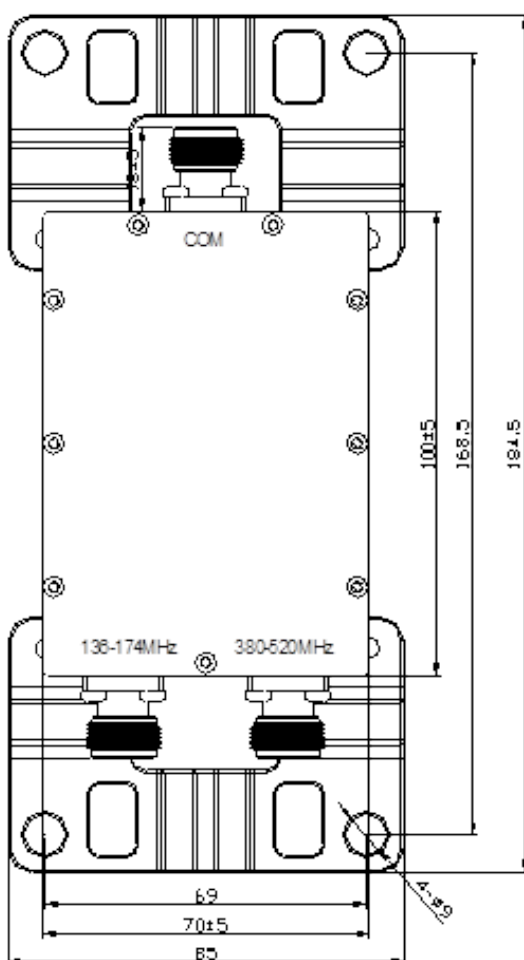
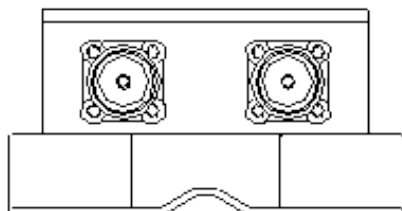
RF Diplexer

136-174MHz & 380-520MHz

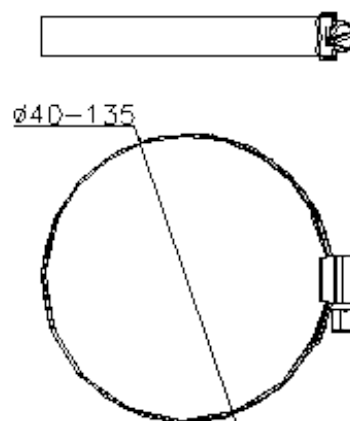


RF Diplexer

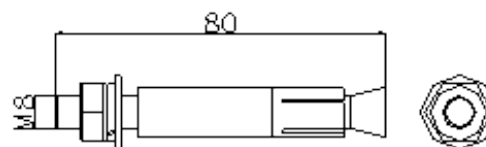
136-174MHz & 380-520MHz



Mounting bracket
Material: SUS 304



Clamp
Material: SUS304
2pcs



Expansion bolt
Material: SUS304
4pcs