

R&S®FT255 VHF/UHF Triplexer



27.5 MHz to 88 MHz

(108 MHz) 118 MHz to 174 MHz

225 MHz to 550 MHz

For connecting a broadband antenna to transceivers with multiple VHF and UHF outputs

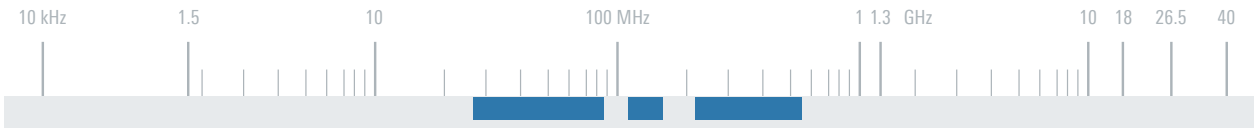
The R&S®FT255 VHF/UHF triplexer allows the connection of a broadband antenna (e.g. the R&S®HK055L1, R&S®HK055S1 or R&S®HK061) to transceivers with multiple VHF and UHF outputs or to up to three separate VHF/UHF transceivers.

The weatherproof casing allows the R&S®FT255 to be used indoors and outdoors.

Key facts

- Combined lowpass and highpass concept
- Low insertion loss
- High isolation
- Versatile application
- Compact design





Specifications	
Frequency range	
X1 (IN-VHF1)	27.5 MHz to 88 MHz
X2 (IN-VHF2)	(108 MHz) 118 MHz to 174 MHz
X3 (IN-UHF)	225 MHz to 550 MHz
X4 (OUT)	27.5 MHz to 550 MHz
RF connectors	N female, 50 Ω
VSWR	≤ 1.4 (≤ 2 at 108 MHz)
Passband attenuation	
VHF1	typ. 0.5 dB
VHF2	typ. < 0.75 dB, typ. < 1.5 dB at 108 MHz
UHF	typ. < 1 dB

Decoupling	
VHF	typ. > 30 dB, typ. > 10 dB at 108 MHz
UHF	typ. > 25 dB
Load capacity	
Sum power	max. 225 W CW
For each input	max. 100 W CW
Operating temperature range	−20°C to +55°C
Storage temperature range	−40°C to +70°C
Protection class	IP67
MTBF	> 100000 h
Dimensions (W × H × L)	approx. 140 mm × 80 mm × 260 mm (6 in × 3 in × 10 in)
Weight	approx. 1.3 kg (3 lb)

Ordering information	Type	Order No.
VHF/UHF Triplexer, color: silver gray (RAL 7001)	R&S®FT255	4077.9508.02
Recommended extras		
Broadband Mobile Antenna	R&S®HK055L1	4067.0014.xx
Omnidirectional Broadband Antenna	R&S®HK055S1	4067.0443.xx
Vehicular Broadband Omnidirectional Antenna	R&S®HK061	4076.0007.xx

