



Duplex Filter UCADF45UHF

Duplex Filter UCADF45UHF for 435 - 470 MHz allows simultaneous operation of a transmitter and receiver into a common antenna.

Due to the band-pass-notch design all the duplexers designed and produced by Ultra-Crea Oy provide more protection against out-of-band signals than traditional notch designs.

Therefore they are optimal duplexers for congested environments.

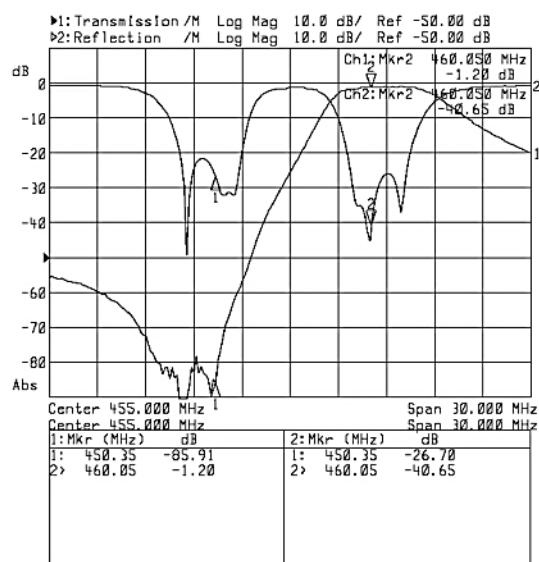
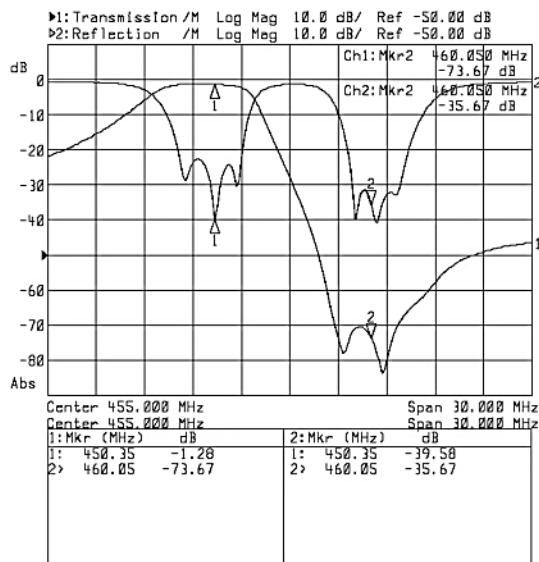
SPECIFICATIONS:

Frequency band	435-470 MHz
Max operating bandwidth	3 MHz
Tx to Rx Isolation	≥ 65 dB
Insertion Loss, Tx-Ant.	< 1.5 dB
Insertion Loss, Rx-Ant.	< 1.5 dB
Rx Isolation at Tx Frequency	≥ 65 dB
Impedance	50 ohm
Duplex spacing	10 MHz
VSWR max	1.5:1 max.
Max power	25 W



Connectors	TNC female
Dimensions	288x160x51mm (without connectors)
Weight	1,43 kg
Operating temperature range	-25 - +55 °C

Typical response curves:





Duplex Filter UCADF45VHF

Duplex Filter UCADF45VHF for 140 - 175 MHz allows simultaneous operation of a transmitter and receiver into a common antenna.

Due to the band-pass-notch design all the duplexers designed and produced by Ultra-Crea Oy provide more protection against out-of-band signals than traditional notch designs.

Therefore they are optimal duplexers for congested environments.

SPECIFICATIONS:

Frequency band	140-175 MHz
Max operating bandwidth	1.0 MHz
Tx to Rx Isolation	≥ 65 dB
Insertion Loss, Tx-Ant.	< 1.5 dB
Insertion Loss, Rx-Ant.	< 1.5 dB
Rx Isolation at Tx Frequency	≥ 65 dB
Impedance	50 ohm
Duplex spacing	4.6 MHz
VSWR max	1.5:1 max.
Max power	25 W



Connectors	TNC female
Dimensions	288x186x53 mm (without connectors)
Weight	1,78 kg
Operating temperature range	-25 - +55 °C

Typical response curves:

