



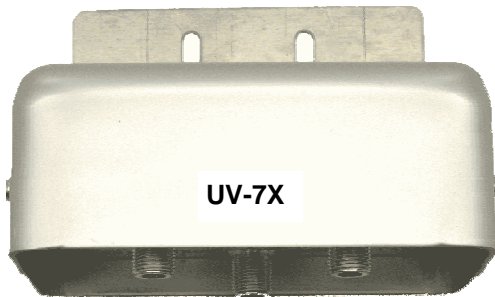
UV-7 Antenna Headend Diplexer

Model UV-7 is a high quality VHF, UHF antenna combiner, consisting of highly selective lowpass (VHF) and highpass (UHF) filters joined at common port. It is suitable for both analog and digital signals.

Features

- Low Thru Loss (< 1 dB)
- High Mutual Isolation (>55 dB)
- Good Return Loss: 18 dB VHF, 16dB UHF
- Impedance 75 Ω with F-type connectors female
- Available in sturdy RF shielded metal enclosures

Order as: UV-7 (indoor) ; UV-7X (outdoor)

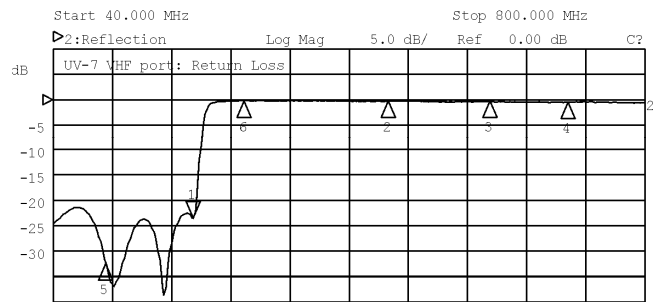
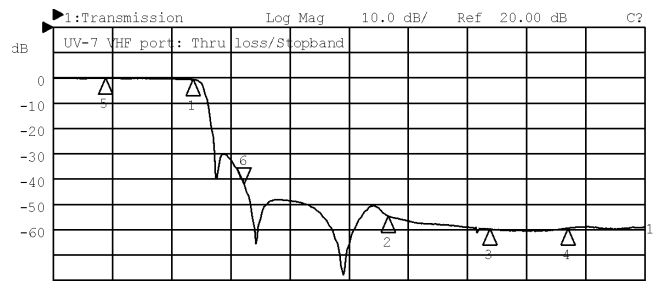


UV-7

Specifications

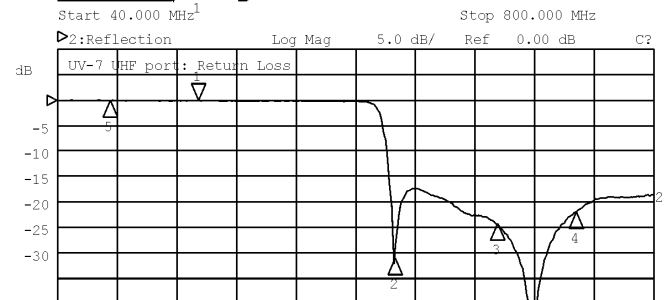
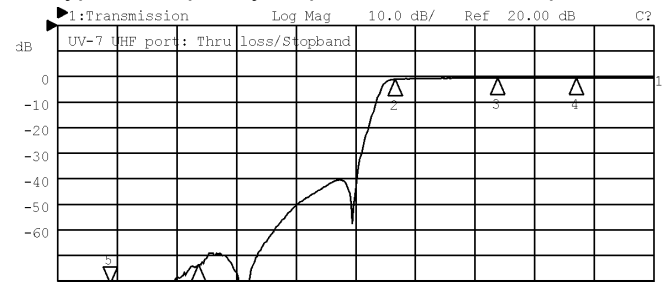
TV Band	VHF	UHF
Passband	40 - 220 MHz	470 - 800 MHz
Insertion Loss	.75 dB	1.0 dB
Return Loss	18 dB min	16 dB min
Stopband	470 to 800 MHz	5 - 220 MHz
Stopband	55 dB	70 dB
Impedance/Connectors: 75 ohms, F-female		
Weight	0.75 lb indoor	0.75 lb outdoor
Dimension (in)	4"L x 2.25"H x 2"W (indoor)	
Dimension (in)	4.25L x 2.5W x 3.25H (outdoor)	

Typical frequency response of UV-7 VHF port



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 220.0000	-0.706	1> 220.0000	-23.502
2: 470.0000	-54.442	2: 470.0000	-0.315
3: 600.0000	-59.746	3: 600.0000	-0.370
4: 700.0000	-59.387	4: 700.0000	-0.468
5: 108.0000	-0.145	5: 108.0000	-32.611
6> 285.0000	-41.796	6: 285.0000	-0.177

Typical frequency response of UV-7 UHF port



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 220.0000	-73.697	1> 220.0000	-0.037
2: 470.0000	-1.105	2: 470.0000	-31.043
3: 600.0000	-0.551	3: 600.0000	-24.359
4: 700.0000	-0.517	4: 700.0000	-22.082
5> 108.0000	-89.802	5: 108.0000	-0.022

