

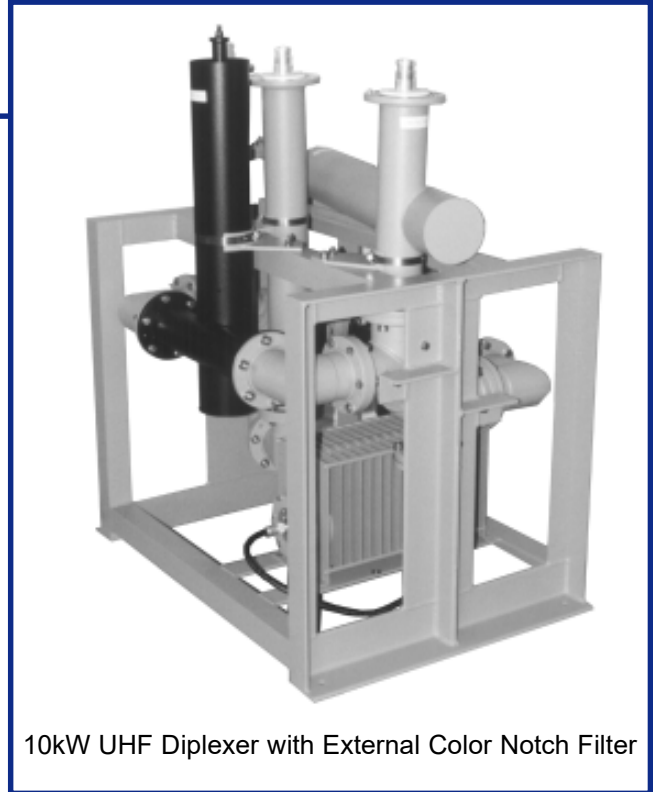


Micro Communications, Inc.

Microwave A MICROWAVE TECHNIQUES COMPANY

LOW POWER UHF-TV DIPLEXERS

- Low Insertion Loss
- Light Weight
- Compact
- FCC or CCIR Specifications
- Up to 10kW
- LPTV Applications



10kW UHF Diplexer with External Color Notch Filter

MCI Low Power Diplexers are constant impedance devices used to combine the visual and aural transmitter outputs into a single antenna. These units utilize broadband $p/2$ hybrids and single loop coupled cavities in each line. A reject load is included.

These diplexers satisfy FCC or CCIR bandwidth requirements and are designed for minimum passband variation and group delay.

Models are available for UHF channels 14-69. They are normally rated for an aural power of 10% or the visual. For applications requiring higher levels, please contact factory.

All MCI diplexers have the symmetrical aural response necessary for multichannel sound.



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SPECIFICATIONS	
Frequency:	Specify Channel (14-39)
Insertion Loss:	
Visual:	.2 dB (95% efficiency)
Aural:	1.1 dB (77% efficiency)
Isolation:	30 dB (aural to visual)
	25 dB (visual to aural)
VSWR:	1.1 (visual frequency)
	1.1 (aural frequency)

	UHF		
FREQUENCY (MHz)	470-608	566-728	698-860
CHANNEL RANGE	14-36	30-56	52-69
MODEL	41524	41514	41504
POWER	10kW	10kW	10kW
SIZE	in (mm)	25x36x28 (635x914x711)	22x32x22 (558x812x558)
WEIGHT	lbs (kg)	60 (27)	50 (23)
CONNECTORS	EIA	3 1/8	3 1/8
MODEL	41523	41513	41503
POWER	5kW	5kW	5kW
SIZE	in (mm)	19x36x28 (483x914x711)	16x32x22 (406x812x558)
WEIGHT	lbs (kg)	50 (23)	45 (20)
CONNECTORS	EIA	1 5/8	1 5/8
MODEL	41522	41512	41502
POWER	kW	kW	kW
SIZE	in (mm)	8x28x16 (203x711x406)	6x22x6 (152x558x152)
WEIGHT	lbs (kg)	45 (20)	40 (18)
CONNECTORS	EIA	7/8	7/8
MODEL	41521	41511	41501
POWER	500W	500W	500W
SIZE	in (mm)	8x28x16 (203x711x406)	6x22x6 (152x558x152)
WEIGHT	lbs (kg)	30 (14)	25 (11)
CONNECTORS	EIA	Type N	Type N

All specifications are subject to change without notice

NOTE: If color notch is required, it can be mounted externally.



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