

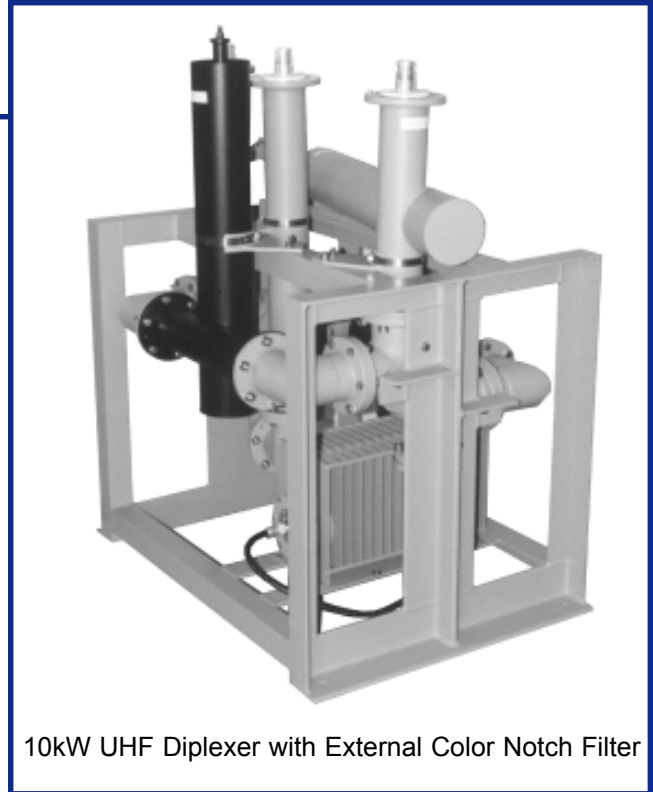


Micro Communications, Inc.

SERIES 41510

# 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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LOW POWER UHF-TV DIPLEXERS**

<b>SPECIFICATIONS</b>	
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)

		<b>UHF</b>		
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	25x36x28	22x32x22	18x30x20
	(mm)	(635x914x711)	(558x812x558)	(457x762x508)
WEIGHT	lbs	60	50	45
	(kg)	(27)	(23)	(20)
CONNECTORS	EIA	3 1/8	3 1/8	3 1/8
MODEL		41523	41513	41503
POWER		5kW	5kW	5kW
SIZE	in	19x36x28	16x32x22	12x30x20
	(mm)	(483x914x711)	(406x812x558)	(305x762x508)
WEIGHT	lbs	50	45	40
	(kg)	(23)	(20)	(18)
CONNECTORS	EIA	1 5/8	1 5/8	1 5/8
MODEL		41522	41512	41502
POWER		kW	kW	kW
SIZE	in	8x28x16	6x22x6	6x20x6
	(mm)	(203x711x406)	(152x558x152)	(152x508x152)
WEIGHT	lbs	45	40	35
	(kg)	(20)	(18)	(16)
CONNECTORS	EIA	7/8	7/8	7/8
MODEL		41521	41511	41501
POWER		500W	500W	500W
SIZE	in	8x28x16	6x22x6	6x20x6
	(mm)	(203x711x406)	(152x558x152)	(152x508x152)
WEIGHT	lbs	30	25	20
	(kg)	(14)	(11)	(9)
CONNECTORS	EIA	Type N	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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