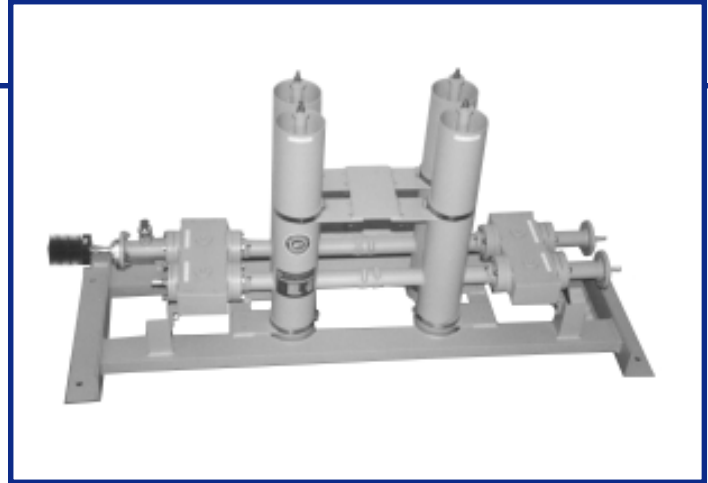




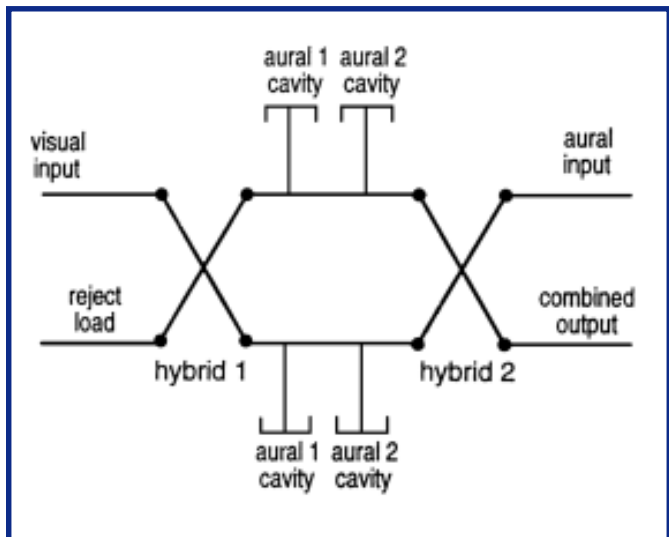
# LOW POWER COAXIAL UHF DUAL SOUND DIPLEXERS

- Low VSWR
- Low Insertion Loss
- Visual Power to 10kW
- Standard or Dual Sound Versions
- Stable High Q Sound Notches
- NICAM Dual Sound



MCI's Low Power Dual Sound diplexers are constant impedance devices used to combine the visual and sound transmitter signals into a single output. These units utilize broadband 3dB hybrids that provide high isolation and low loss. High Q loop-coupled sound resonators with invar rods allow for good temperature stability. A reject load with a RF probe is included. A reflective color image filter is available as an option.

The dual sound cavities satisfy NICAM response requirements by providing individual sound passband for optimum performance. A mounting frame is secured to the system for ease of installation.





<b>SPECIFICATIONS</b>	
VSWR:	1.08:1 (max)
Frequency:	Specify Channels
Insertion Loss:	
Visual Fv:	0.20 dB max
Sound Fs:	0.80 dB max
Isolation:	
Visual to Sound:	30 dB or more
Sound to Sound:	30 dB or more
Impedance:	50 ohms
Connections:	EIA or unflanged

		<b>UHF</b>		
FREQUENCY (MHz)		470-566	566-698	698-860
MODEL		41503/D	41513/D	41523/D
MAX POWER		10kW (peak Vis)	10kW (peak Vis)	10kW (peak Vis)
SIZE	in (cm)	58x24x36 (147x61x92)	54x24x30 (137x61x76)	50x24x28 (127x61x71)
WEIGHT	lbs (kg)	160 (73)	160 (73)	140 (64)
CONNECTORS		3 1/8	3 1/8	3 1/8
MODEL		41502/D	41512/D	41522/D
MAX POWER		5kW (peak Vis)	5kW (peak Vis)	5kW (peak Vis)
SIZE	in (cm)	58x18x36 (147x46x92)	54x18x30 (137x46x76)	50x24x28 (127x46x71)
WEIGHT	lbs (kg)	125 (57)	115 (52)	105 (48)
CONNECTORS		1 5/8	1 5/8	1 5/8
MODEL		41501/D	41511/D	41521/D
MAX POWER		2kW (peak Vis)	2kW (peak Vis)	2kW (peak Vis)
SIZE	in (cm)	58x18x36 (147x46x92)	54x18x30 (137x46x76)	50x18x28 (127x46x71)
WEIGHT	lbs (kg)	125 (57)	115 (52)	105 (48)
CONNECTORS		7/8	7/8	7/8

**All specifications subject to change without notice.**

Options available:           Wattmeter  
                                  Coupler  
                                  Fine Matchers

