

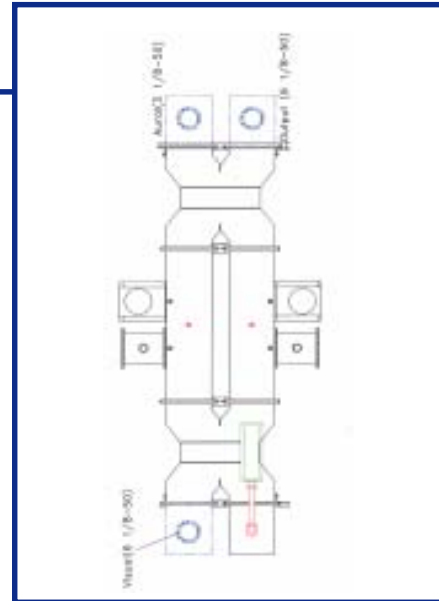
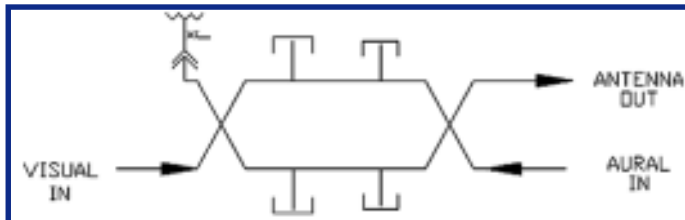


Micro Communications, Inc.

SERIES 48000

HIGH POWER UHF-TV DIPLEXERS

- Low Insertion Loss
- High Power Handling Capability
- Ideal for Replacement of Troublesome Diplexers
- Stereo and MTS Performance



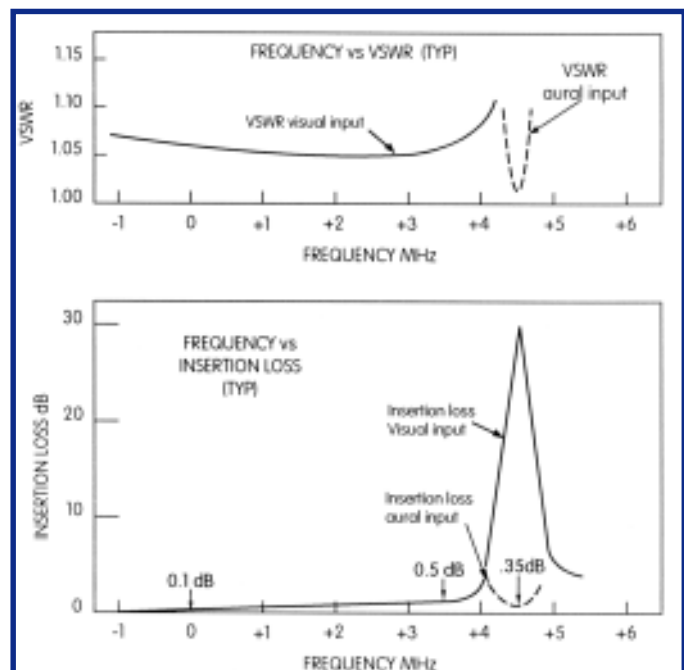
MCI High Power Waveguide Diplexers are constant Impedance units used to combine the visual and aural transmitter outputs to one antenna.

The standard diplexer design incorporates broadband short-slot Hybrids, high-Q aural cavities, -3.58 color notch cavities and a reject load.

The aural resonators, constructed of low coefficient-of-expansion Invar, allow only negligible drift, which results in very efficient, reliable and stable operation.

Also available are special remote control aural detuners which will permit multiplexing through the diplexer visual input.

All MCI diplexers have the symmetrical aural response necessary for multi-channel sound.





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**SERIES 48000
HIGH POWER UHF-TV DIPLEXERS**

| SPECIFICATIONS | |
|-----------------|--------------------------|
| Frequency: | Specify Channel (14-70) |
| Insertion Loss: | |
| Visual: | 0.1 dB (98% Efficiency) |
| Aural: | 0.35 dB (92% Efficiency) |
| Rejection: | 35 dB (Aural to Visual) |
| | 30 dB (Visual to Aural) |
| VSWR: | 1.08 (Visual Frequency) |
| | 1.10 (Aural Frequency) |

| | UHF | | |
|----------------------|---|--------------------------------|--------------------------------|
| FREQUENCY (MHz) | 470-608 | 566-728 | 698-860 |
| CHANNEL RANGE | 14-36 | 30-56 | 52-69 |
| MODEL | 48209 | 48218 | 48227 |
| WAVEGUIDE TYPE | WR1800 | WR1500 | WR1150 |
| VISUAL POWER | 280kW | 280kW | 280kW |
| SIZE | ft 15x8x3 (m) (4.57x2.43x0.91) | 13x7x3 (3.96x2.13x0.91) | 11x6x3 (3.35x1.82x0.91) |
| WEIGHT | lbs 800 (kg) (363) | 600 (272) | 500 (227) |
| INPUT/OUTPUT FLANGES | WR1800 | WR1500 | WR1150 |
| MODEL | 48109 | 48118 | 48127 |
| WAVEGUIDE TYPE | WR1800 | WR1500 | WR1150 |
| VISUAL POWER | 140kW | 140kW | 140kW |
| SIZE | ft 15x8x3 (m) (4.57x2.43x0.91) | 13x7x3 (3.96x2.13x0.91) | 17x6x3 (5.18x1.82x0.91) |
| WEIGHT | lbs 800 (kg) (363) | 600 (272) | 500 (227) |
| INPUT/OUTPUT FLANGES | WR1800 or 6 1/8 EIA | WR1500 or 6 1/8 EIA | WR1150 or 6 1/8 EIA |
| MODEL | 48009 | 48018 | 48027 |
| WAVEGUIDE TYPE | WR1800 | WR1500 | WR1150 |
| VISUAL POWER | 70kW | 70kW | 70kW |
| SIZE | ft 15x8x2 1/2 (m) (4.57x2.43x0.76) | 13x7x2 1/2 (3.96x2.13x0.76) | 11x6x2 1/2 (3.35x1.82x0.76) |
| WEIGHT | lbs 800 (kg) (363) | 600 (272) | 500 (227) |
| INPUT/OUTPUT FLANGES | 6 1/8 EIA | 6 1/8 EIA | 6 1/8 EIA |

All specifications subject to change without notice.



Micro Communications, Inc.

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