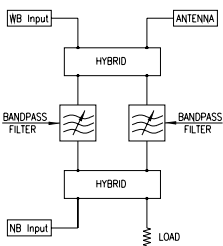


UC/FM/LB3-0.4

FM DIRECTIONAL FILTER TYPE COMBINER

FEATURES

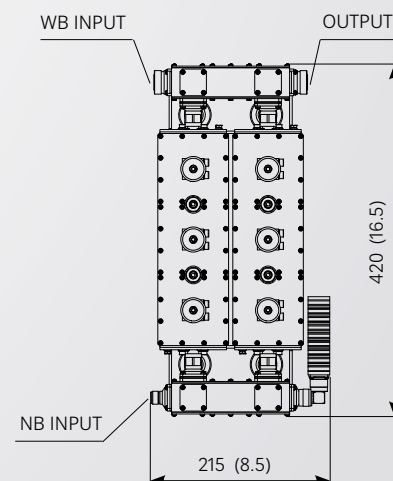
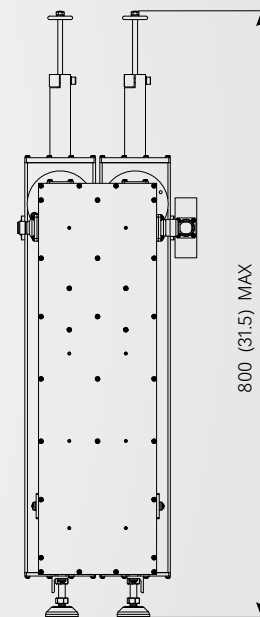
- FM double bridge channel combiner
- 3 pole / 85 mm (3.3 in)
- adjustable selectivity
- temperature compensated
- available rack mounting solution



ELECTRICAL AND MECHANICAL DATA

| | | | |
|---|------------------------------------|--------|--------|
| COMBINER TYPE | UC/FM/LB3-0.4 | | |
| FREQUENCY RANGE | 87.5 ÷ 108 MHz | | |
| - wideband input | Tunable over entire FM range | | |
| - narrowband input | | | |
| INPUTS AND OUTPUT IMPEDANCE | 50 ohm | | |
| RETURN LOSS | | | |
| - wideband input | ≥ 26 dB | | |
| - narrowband input (at carrier fo) | ≥ 28 dB | | |
| INSERTION LOSS (at carrier fo) | | | |
| NB input with freq. spacing ±1.4 MHz | ≤ 1.05 dB | | |
| NB input with freq. spacing ±1.2 MHz | ≤ 1.18 dB | | |
| NB input with freq. spacing ±0.8 MHz | ≤ 1.60 dB | | |
| WB input | ≤ 0.10 dB | | |
| WB input with freq. spacing ±0.8 MHz | ≤ 0.40 dB | | |
| ISOLATION (at carrier fo) | | | |
| - Narrowband input to wideband input | ≥ 30 dB | | |
| - Wideband input to narrowband input | ≥ 50 dB | | |
| GROUP DELAY | ≤ 40 ns at fo ±100 kHz | | |
| (With 0.8 MHz frequency spacing) | ≤ 80 ns at fo ±150 kHz | | |
| MAX POWER RATINGS / freq. spacing (MHz) | ±1.4 | ±1.2 | ±0.8 |
| - Narrowband input | 0.4 kW | 0.4 kW | 0.4 kW |
| - Wideband input | 1 kW | 1 kW | 1 kW |
| - Total output | 1 kW | 1 kW | 1 kW |
| OPERATING TEMPERATURE RANGE | -10 to + 45°C (+14 to +113°F) | | |
| OVER TEMPERATURE* | typical 30 K at max NB input power | | |
| INPUT PORTS | | | |
| - Narrowband input | NF | | |
| - Wideband input | 7/16 F | | |
| OUTPUT PORT | 7/16 F | | |
| WEIGHT (approx) | 23 kg (51 lb) | | |

* referred to ambient temperature. Recommended: [AmbientTemp. + OverTemp.] ≤ 70°C (158°F)



All dimensions are in millimeters (inches)