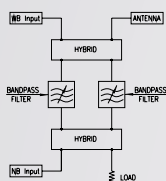


UC/FM/LB6ELL-2.4

FM DIRECTIONAL FILTER TYPE COMBINER

FEATURES

- FM double bridge channel combiner
- 6 pole / 200 mm (7.9 in)
- adjustable selectivity
- temperature compensated
- elliptical response

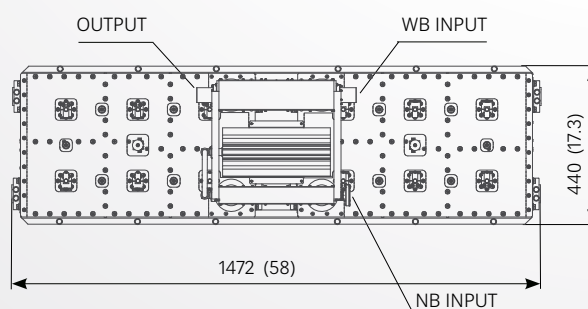
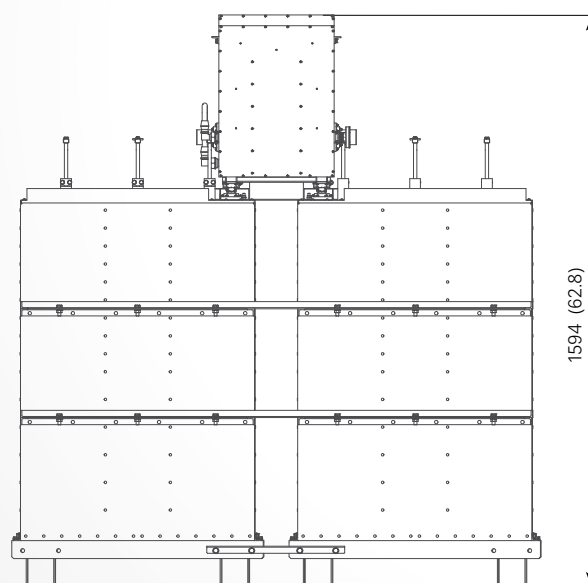


ELECTRICAL AND MECHANICAL DATA

COMBINER TYPE	UC/FM/LB6ELL-2.4	
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	≥ 23 dB	
- narrowband input (at carrier fo)	≥ 28 dB	
INSERTION LOSS (at carrier fo)		
NB input with freq. spacing ±0.3 MHz	≤ 2.25 dB	
NB input with freq. spacing ±0.4 MHz	≤ 1.75 dB	
WB input	≤ 0.18 dB	
WB input with freq. spacing ±0.3 MHz	≤ 0.45 dB	
WB input with freq. spacing ±0.4 MHz	≤ 0.35 dB	
ISOLATION (at carrier fo)		
- Narrowband input to wideband input	≥ 30 dB	
- Wideband input to narrowband input	≥ 50 dB	
GROUP DELAY		
NB input (typical, 0.3 MHz frequency spacing)	≤ 3.20 μs at fo ±150 kHz	
MAX POWER RATINGS / freq. spacing (MHz)	±0.3	±0.4
- Narrowband input	2.0 kW	2.4 kW
- Wideband input**	15 kW**	15 kW**
- Total output	15 kW	15 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	7/8" EIA	
- Wideband input	1-5/8" Unfl.	
OUTPUT PORT	1-5/8" Unfl.	
WEIGHT (approx)	135 kg (298 lb)	

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

** if frequency (ies) at the WB input are at the minimum spacing, the sum of [WB+NB] input power ≤ NB input power



All dimensions are in millimeters (inches)