

FM STAR TYPE COMBINERS – 2kW

FEATURES

- 2, 3 and 4 channel combiners
- 2 or 3 pole / 150 mm (5.9 in)
- temperature compensated
- adjustable selectivity



GENERAL FEATURES

FREQUENCY RANGE	87.5 ÷ 108 MHz
IMPEDANCE	50 ohm
VSWR	See table
MAX POWER	See table
CONNECTORS*	See table
WEIGHT	See table
OPERATING TEMPERATURE RANGE	-10 to +45°C (+14 to +113°F)
OVER TEMPERATURE**	typical 30 K at max input power
ISOLATION	See table

* different connectors upon request

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

ELECTRICAL AND MECHANICAL DATA

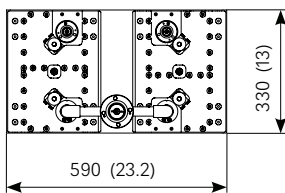
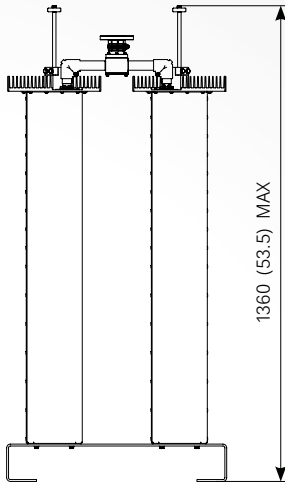
TYPE	FREQUENCIES	MAX POWER PER CHANNEL (kW)	V.S.W.R INPUT at fo	ISOLATION BETWEEN FREQ. (dB)	INSERTION LOSSES at fo (dB)	CONNECTORS* INPUTS / OUTPUT	WEIGHT (approx) kg (lb)
	SPACING (MHz)						
DPLX UC/FM/ST2-2	≥ 3.0	2.0	≤ 1.08	≥ 30	≤ 0.50	7/8" EIA / 7/8" EIA	38 (84)
	≥ 2.0	1.5	≤ 1.08	≥ 30	≤ 0.58		
DPLX UC/FM/ST3-2	≥ 2.0	2.0	≤ 1.08	≥ 30	≤ 0.55	7/8" EIA / 7/8" EIA	55 (121)
	≥ 1.6	1.5	≤ 1.08	≥ 30	≤ 0.68		
	≥ 1.2	1.2	≤ 1.08	≥ 30	≤ 0.92		
TPLX UC/FM/ST2-2	≥ 3.0	2.0	≤ 1.08	≥ 30	≤ 0.55	7/8" EIA / 7/8" EIA	61 (134)
	≥ 2.0	1.5	≤ 1.08	≥ 30	≤ 0.63		
	≥ 2.0	2.0	≤ 1.08	≥ 30	≤ 0.60		
TPLX UC/FM/ST3-2	≥ 1.6	1.5	≤ 1.08	≥ 30	≤ 0.73	7/8" EIA / 7/8" EIA	86 (190)
	≥ 1.2	1.2	≤ 1.08	≥ 30	≤ 0.97		
	≥ 2.0	2.0	≤ 1.08	≥ 30	≤ 0.60		
QPLX UC/FM/ST2-2	≥ 3.0	2.0	≤ 1.08	≥ 30	≤ 0.60	7/8" EIA / 1-5/8" EIA	75 (165)
	≥ 2.0	1.5	≤ 1.08	≥ 30	≤ 0.68		
QPLX UC/FM/ST3-2	≥ 2.0	2.0	≤ 1.08	≥ 30	≤ 0.65	7/8" EIA / 1-5/8" EIA	114 (251)
	≥ 1.6	1.5	≤ 1.08	≥ 30	≤ 0.78		
	≥ 1.2	1.2	≤ 1.08	≥ 30	≤ 1.02		

* different connectors upon request

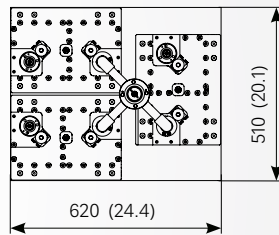
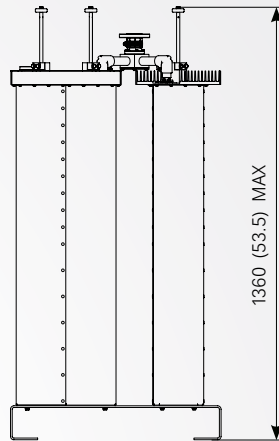
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MECHANICAL LAYOUT

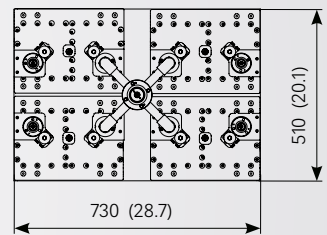
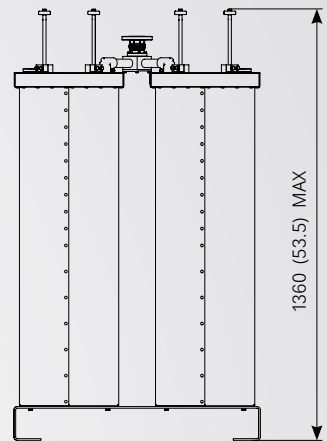
DPLX UC/FM/ST2 – 2



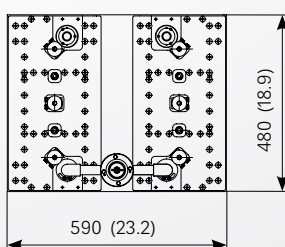
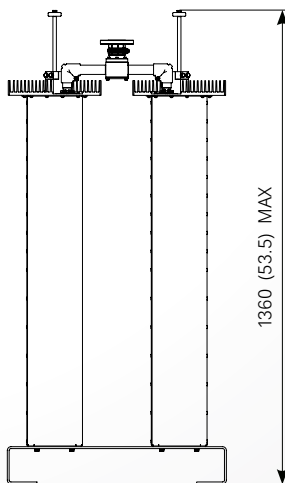
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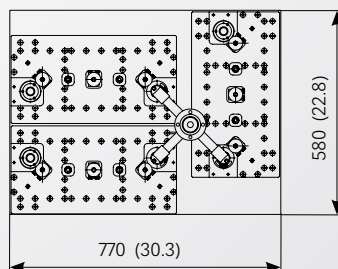
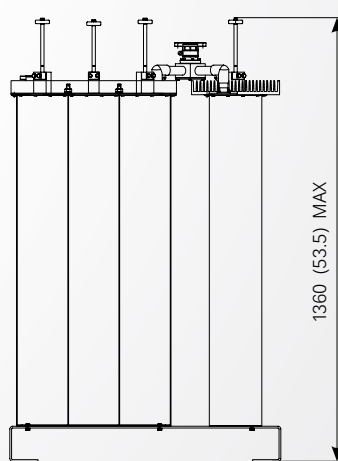
QPLX UC/FM/ST2 – 2



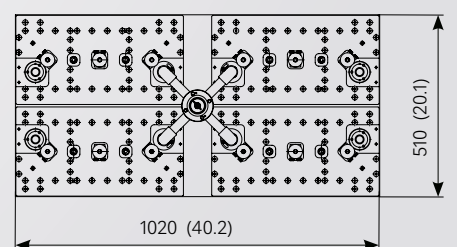
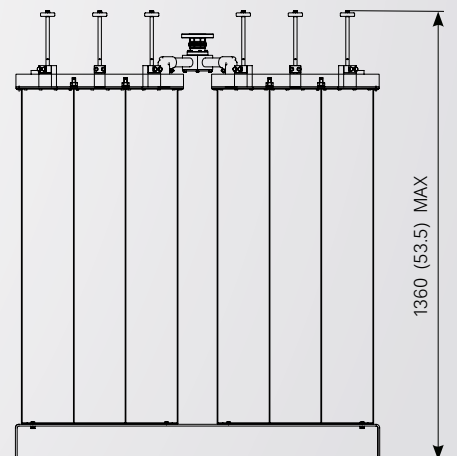
DPLX UC/FM/ST3 – 2



TPLX UC/FM/ST3 – 2



QPLX UC/FM/ST3 – 2



All dimensions are in millimeters (inches)