

FM STAR TYPE COMBINERS – 5kW

FEATURES

- 2, 3 and 4 channel combiners
- 2 or 3 pole / 350 mm (13.8 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 SPACING (MHz)	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)
DPLX UC/FM/ST2-5	≥ 3.0	5	≤ 1.06	≥ 30	≤ 0.30	1-5/8" Unfl. / 1-5/8" Unfl.	106 (234)
	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.33		
DPLX UC/FM/ST3-5	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.38	1-5/8" Unfl. / 1-5/8" Unfl.	146 (322)
	≥ 1.6	5	≤ 1.06	≥ 30	≤ 0.42		
	≥ 1.2	5	≤ 1.06	≥ 30	≤ 0.55		
TPLX UC/FM/ST2-5	≥ 3.0	5	≤ 1.06	≥ 30	≤ 0.35	1-5/8" Unfl. / 1-5/8" Unfl.	180 (397)
	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.38		
TPLX UC/FM/ST3-5	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.43	1-5/8" Unfl. / 1-5/8" Unfl.	240 (529)
	≥ 1.6	5	≤ 1.06	≥ 30	≤ 0.47		
	≥ 1.2	5	≤ 1.06	≥ 30	≤ 0.60		
QPLX UC/FM/ST2-5	≥ 3.0	5	≤ 1.06	≥ 30	≤ 0.35	1-5/8" Unfl. / 3-1/8" Unfl.	230 (507)
	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.38		
QPLX UC/FM/ST3-5	≥ 2.0	5	≤ 1.06	≥ 30	≤ 0.43	1-5/8" Unfl. / 3-1/8" Unfl.	315 (694)
	≥ 1.6	5	≤ 1.06	≥ 30	≤ 0.47		
	≥ 1.2	5	≤ 1.06	≥ 30	≤ 0.60		

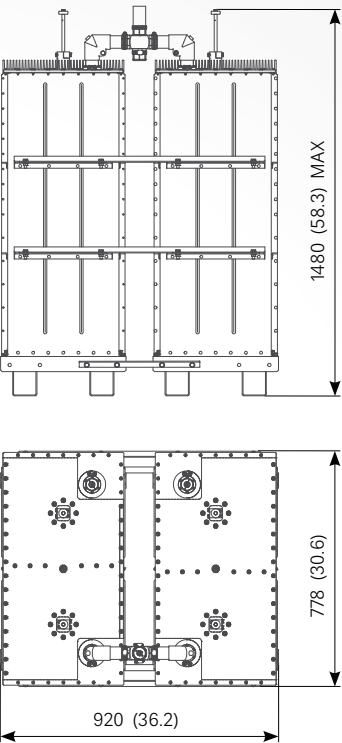
* different connectors upon request

** increased power on request

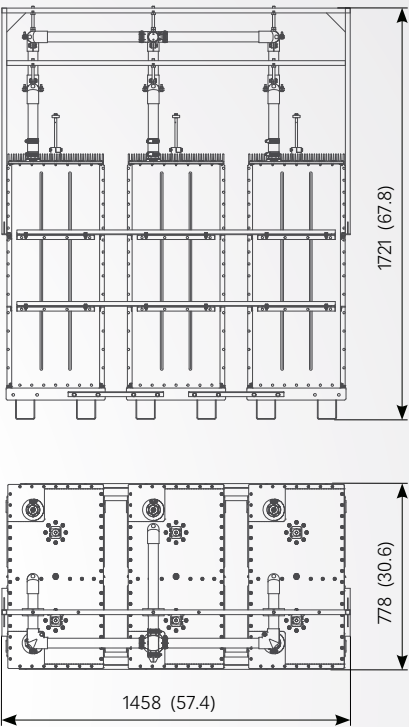
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MECHANICAL LAYOUT

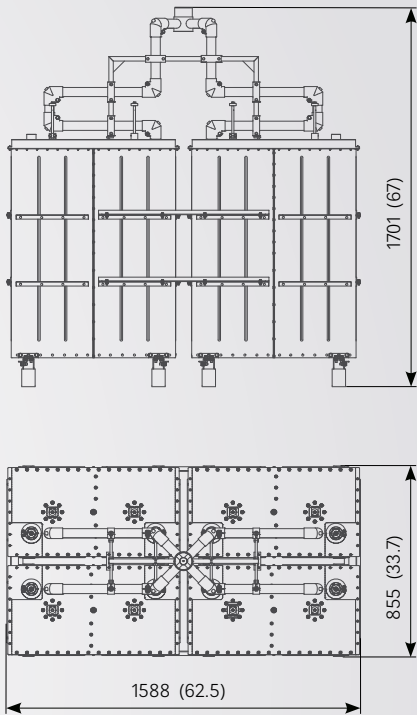
DPLX UC/FM/ST2 – 5



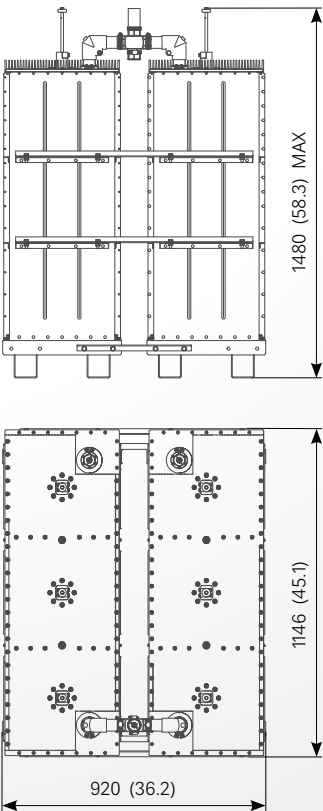
TPLX UC/FM/ST2 – 5



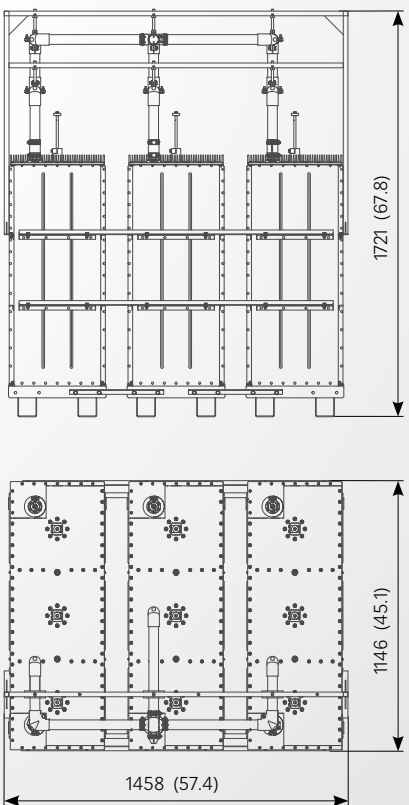
QPLX UC/FM/ST2 – 5



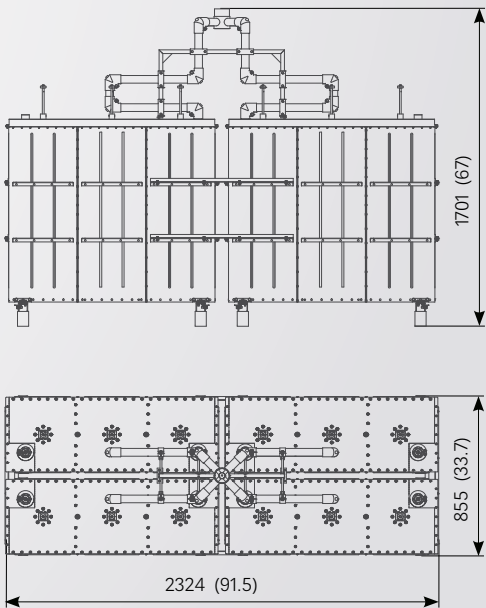
DPLX UC/FM/ST3 – 5



TPLX UC/FM/ST3 – 5



QPLX UC/FM/ST3 – 5



All dimensions are in millimeters (inches)