

FM STAR TYPE COMBINERS – 10kW

FEATURES

- 2, 3 and 4 channel combiners
- 2 or 3 pole / 500 mm (19.7 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

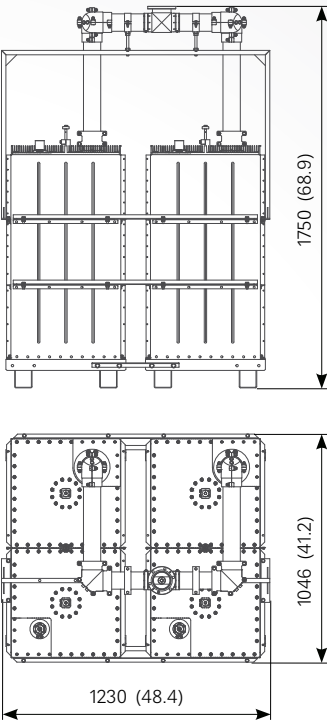
TYPE	FREQUENCIES SPACING (MHz)	MAX POWER** PER CHANNEL (kW)	V.S.W.R INPUT at fo	ISOLATION BETWEEN FREQ. (dB)	INSERTION LOSSES at fo (dB)	CONNECTORS* INPUTS / OUTPUT	WEIGHT (approx) kg (lb)
DPLX UC/FM/ST2-10	≥ 3.0	10	≤ 1.06	≥ 30	≤ 0.23	1-5/8" Unfl. / 3-1/8" Unfl.	180 (397)
	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.25		
DPLX UC/FM/ST3-10	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.26	1-5/8" Unfl. / 3-1/8" Unfl.	250 (551)
	≥ 1.6	10	≤ 1.06	≥ 30	≤ 0.31		
	≥ 1.2	10	≤ 1.06	≥ 30	≤ 0.37		
TPLX UC/FM/ST2-10	≥ 3.0	10	≤ 1.06	≥ 30	≤ 0.28	1-5/8" Unfl. / 3-1/8" Unfl.	265 (584)
	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.30		
TPLX UC/FM/ST3-10	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.31	1-5/8" Unfl. / 3-1/8" Unfl.	385 (849)
	≥ 1.6	10	≤ 1.06	≥ 30	≤ 0.36		
	≥ 1.2	10	≤ 1.06	≥ 30	≤ 0.42		
QPLX UC/FM/ST2-10	≥ 3.0	10	≤ 1.06	≥ 30	≤ 0.28	1-5/8" Unfl. / 3-1/8" Unfl.	400 (882)
	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.30		
QPLX UC/FM/ST3-10	≥ 2.0	10	≤ 1.06	≥ 30	≤ 0.31	1-5/8" Unfl. / 3-1/8" Unfl.	530 (1168)
	≥ 1.6	10	≤ 1.06	≥ 30	≤ 0.36		
	≥ 1.2	10	≤ 1.06	≥ 30	≤ 0.42		

* different connectors upon request ** increased power on request

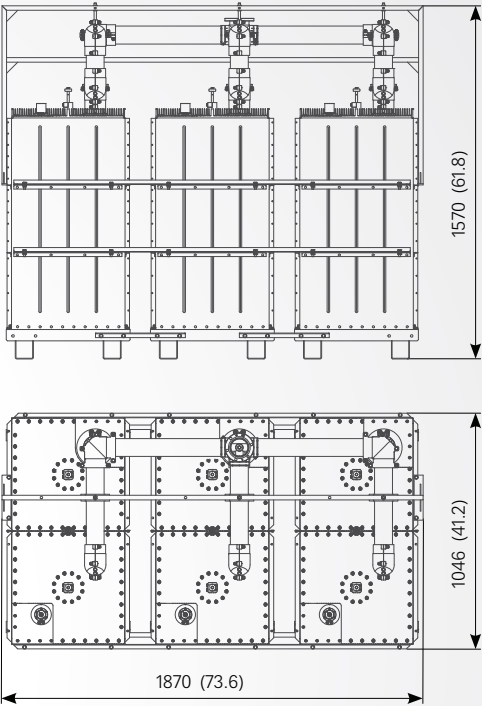
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MECHANICAL LAYOUT

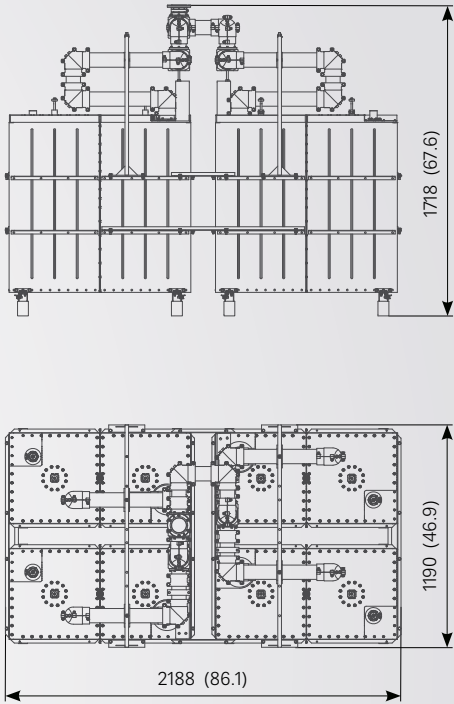
DPLX UC/FM/ST2 – 10



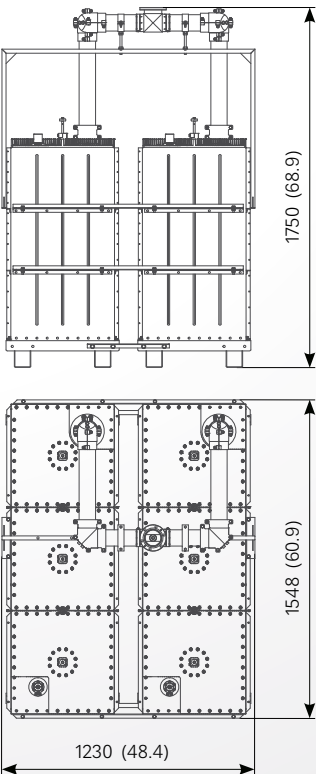
TPLX UC/FM/ST2 – 10



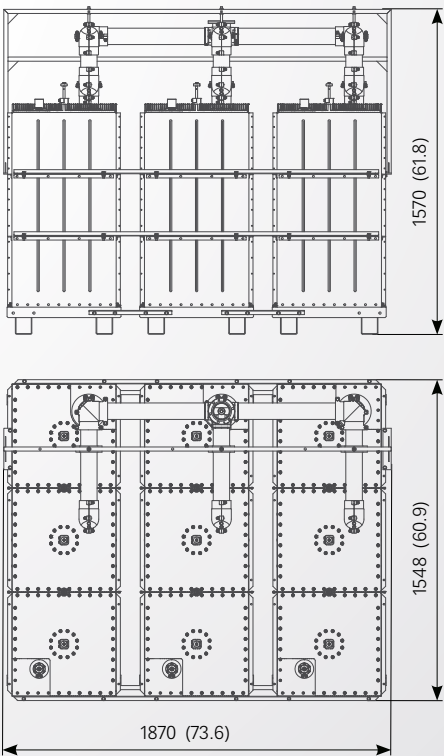
QLPX UC/FM/ST2 – 10



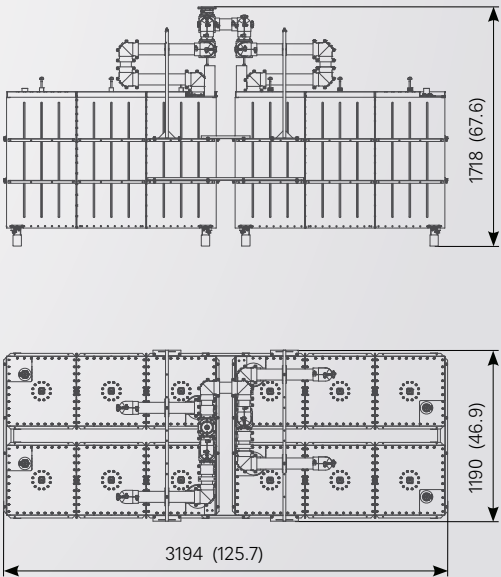
DPLX UC/FM/ST3 – 10



TPLX UC/FM/ST3 – 10



QLPX UC/FM/ST3 – 10



All dimensions are in millimeters (inches)