

FM STAR TYPE COMBINERS – 3kW

FEATURES

- 2, 3 and 4 channel combiners
- 2 or 3 pole / 200 mm (7.9 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

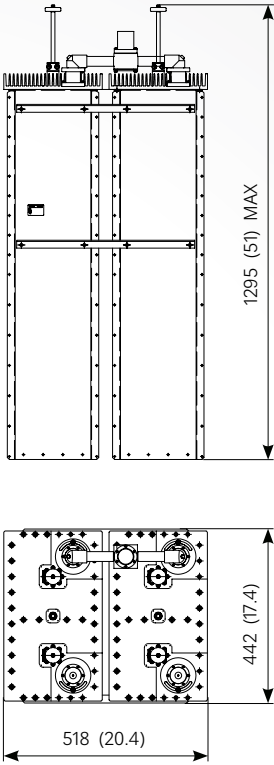
TYPE	FREQUENCIES SPACING (MHz)	MAX POWER PER CHANNEL (kW)	V.S.W.R INPUT at fo	ISOLATION BETWEEN FREQ. (dB)	INSERTION LOSSES at fo (dB)	CONNECTORS* INPUTS / OUTPUT	WEIGHT (approx) kg (lb)
DPLX UC/FM/ST2-3	≥ 3.0	3.0	≤ 1.06	≥ 30	≤ 0.40	7/8" EIA / 1-5/8" Unfl.	43 (95)
	≥ 2.0	2.5	≤ 1.06	≥ 30	≤ 0.45		
DPLX UC/FM/ST3-3	≥ 2.0	3.0	≤ 1.06	≥ 30	≤ 0.39	7/8" EIA / 1-5/8" Unfl.	60 (132)
	≥ 1.6	2.5	≤ 1.06	≥ 30	≤ 0.47		
	≥ 1.2	1.5	≤ 1.06	≥ 30	≤ 0.65		
TPLX UC/FM/ST2-3	≥ 3.0	3.0	≤ 1.06	≥ 30	≤ 0.45	7/8" EIA / 1-5/8" Unfl.	60 (132)
	≥ 2.0	2.5	≤ 1.06	≥ 30	≤ 0.50		
TPLX UC/FM/ST3-3	≥ 2.0	3.0	≤ 1.06	≥ 30	≤ 0.44	7/8" EIA / 1-5/8" Unfl.	82 (181)
	≥ 1.6	2.5	≤ 1.06	≥ 30	≤ 0.52		
	≥ 1.2	1.5	≤ 1.06	≥ 30	≤ 0.70		
QPLX UC/FM/ST2-3	≥ 3.0	3.0	≤ 1.06	≥ 30	≤ 0.50	7/8" EIA / 1-5/8" Unfl.	80 (176)
	≥ 2.0	2.5	≤ 1.06	≥ 30	≤ 0.55		
QPLX UC/FM/ST3-3	≥ 2.0	3.0	≤ 1.06	≥ 30	≤ 0.49	7/8" EIA / 1-5/8" Unfl.	110 (243)
	≥ 1.6	2.5	≤ 1.06	≥ 30	≤ 0.57		
	≥ 1.2	1.5	≤ 1.06	≥ 30	≤ 0.75		

* different connectors upon request

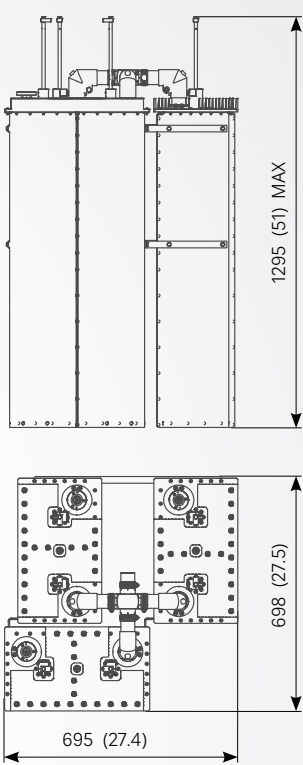
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MECHANICAL LAYOUT

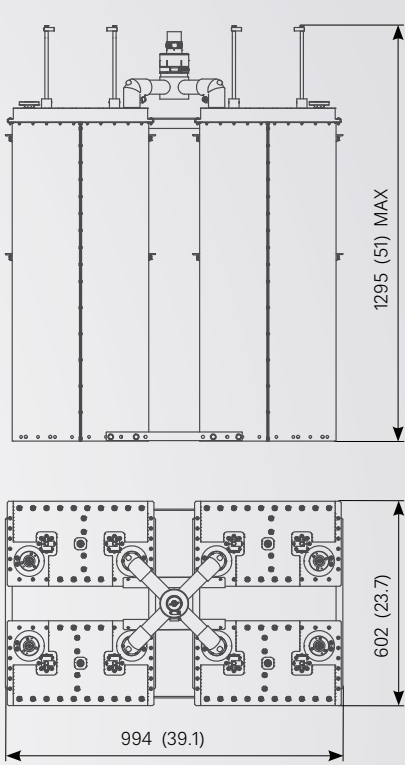
DPLX UC/FM/ST2 – 3



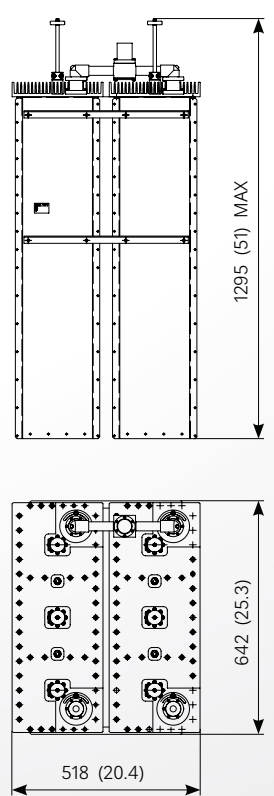
TPLX UC/FM/ST2 – 3



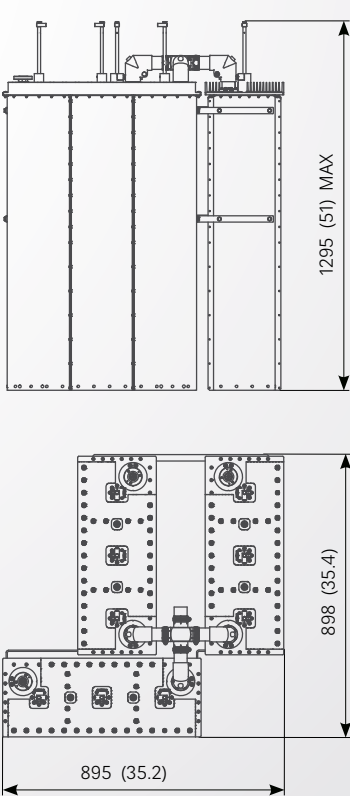
QPLX UC/FM/ST2 – 3



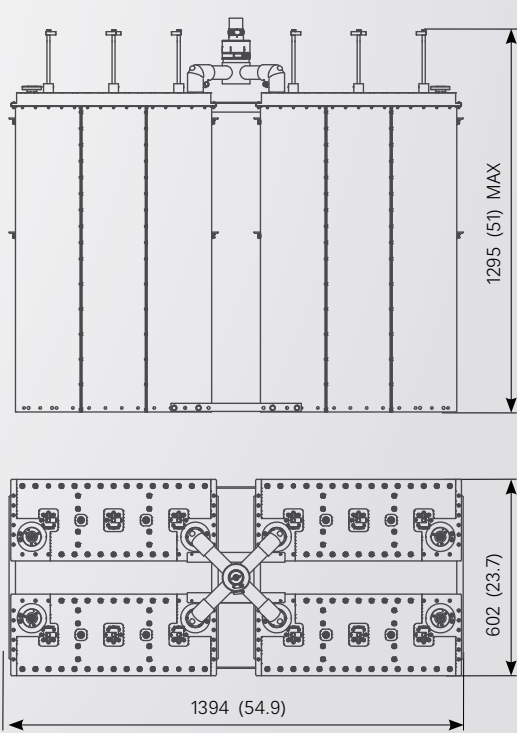
DPLX UC/FM/ST3 – 3



TPLX UC/FM/ST3 – 3



QPLX UC/FM/ST3 – 3



All dimensions are in millimeters (inches)