

FM STAR TYPE COMBINERS – 0.2kW

FEATURES

- 2, 3 and 4 channel combiners
- 2 or 3 pole / 85 mm (3.3 in)
- temperature compensated
- adjustable selectivity
- available rack mounting solution



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

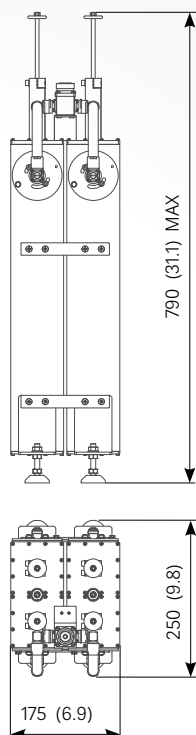
TYPE	FREQUENCIES SPACING (MHz)	MAX POWER PER CHANNEL (kW)	V.S.W.R INPUT at fo	ISOLATION BETWEEN FREQ. (dB)	INSERTION LOSSES at fo (dB)	CONNECTORS* INPUTS / OUTPUT	WEIGHT (approx) kg (lb)
DPLX UC/FM/ST2-0.2	≥ 3.0	0.2	≤ 1.1	≥ 30	≤ 0.80	NF / NF or 7/16 F	11 (24)
	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 0.93		
DPLX UC/FM/ST3-0.2	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 1.05	NF / NF or 7/16 F	16 (35)
	≥ 1.6	0.2	≤ 1.1	≥ 30	≤ 1.18		
	≥ 1.2	0.2	≤ 1.1	≥ 30	≤ 1.60		
TPLX UC/FM/ST2-0.2	≥ 3.0	0.2	≤ 1.1	≥ 30	≤ 0.85	NF / NF or 7/16 F	17 (37)
	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 0.98		
TPLX UC/FM/ST3-0.2	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 1.10	NF / NF or 7/16 F	23 (51)
	≥ 1.6	0.2	≤ 1.1	≥ 30	≤ 1.23		
	≥ 1.2	0.2	≤ 1.1	≥ 30	≤ 1.65		
QPLX UC/FM/ST2-0.2	≥ 3.0	0.2	≤ 1.1	≥ 30	≤ 0.90	NF / NF or 7/16 F	22 (49)
	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 1.03		
QPLX UC/FM/ST3-0.2	≥ 2.0	0.2	≤ 1.1	≥ 30	≤ 1.15	NF / NF or 7/16 F	31 (68)
	≥ 1.6	0.2	≤ 1.1	≥ 30	≤ 1.28		
	≥ 1.2	0.2	≤ 1.1	≥ 30	≤ 1.70		

* different connectors upon request

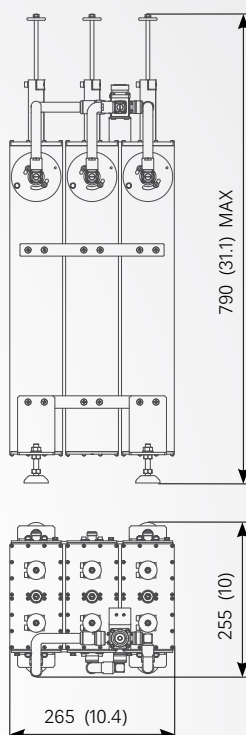
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MECHANICAL LAYOUT

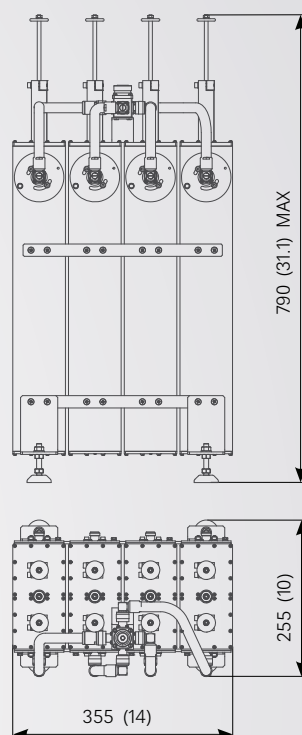
DPLX UC/FM/ST2 – 0.2



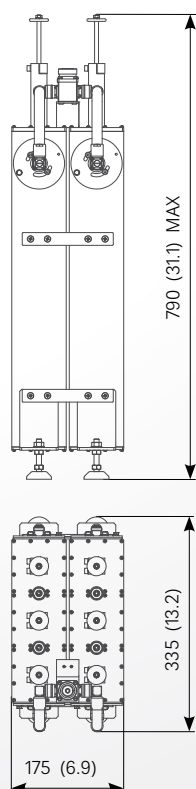
TPLX UC/FM/ST2 – 0.2



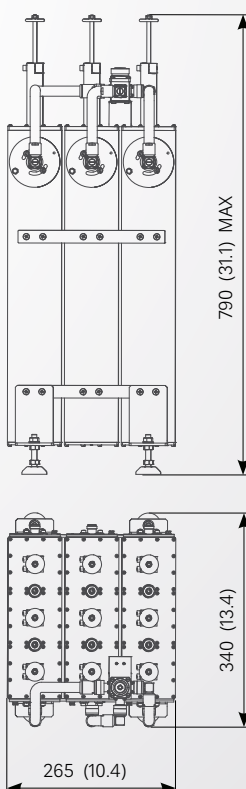
QPLX UC/FM/ST2 – 0.2



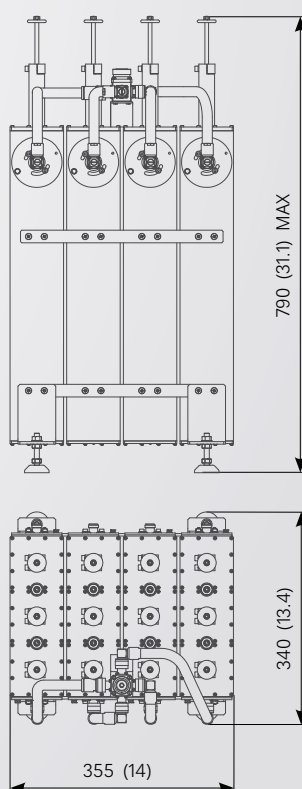
DPLX UC/FM/ST3 – 0.2



TPLX UC/FM/ST3 – 0.2



QPLX UC/FM/ST3 – 0.2



All dimensions are in millimeters (inches)