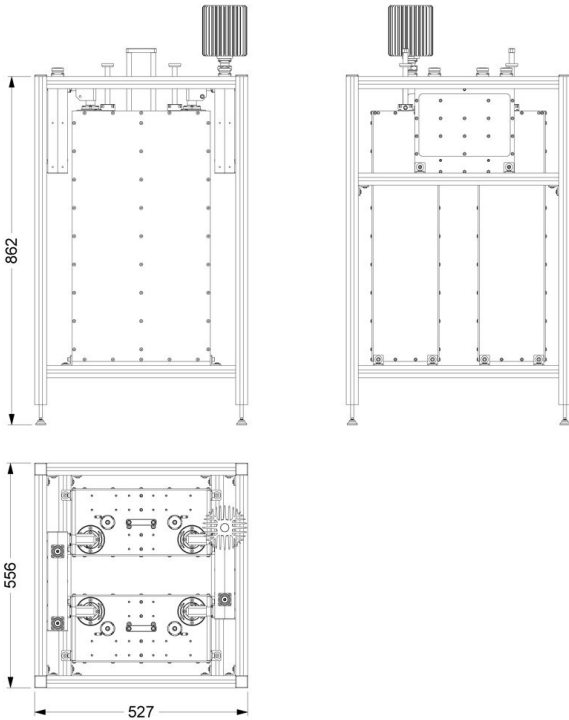
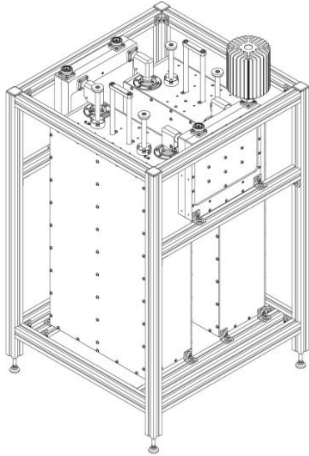


FM 2-Pole 160 mm Balanced Combiner

DM2P160RF



FEATURES

- EVA-Mode
- 1.4 MHz Minimum Channel Spacing
- Full-Band Tunability
- DC-Short
- Modular Connector System
- Modular Frame System
- 10-Year Warranty

OPTIONS

- Heat Sinks

SPECIFICATIONS

Code / Revision	B-DM2P160RF/n / B
	<i>n: Number of Filtered Inputs</i>
No. of Poles / Cavity Size	2-Pole / 160 mm
Frequency Range	87.5-108 MHz
Frequency Spacing	≥ 1.4 MHz
Temperature Stability	< 800 Hz/K
Max Operating Temperature (Body)	65°C (149°F)
Environmental Conditions	-5 to +55°C (+23 to +131°F), IP60
Dimensions / Weight ⁽¹⁾	527x556x862 mm / 50 kg
Links	1+5/8" Rigid Line
Connectors ⁽²⁾	3x 32 mm NB Input; WB Input; Output D-PC32C N Female D-PC32E 7-16 Female (Default) D-PC32G 7/8" FastLine Socket D-PC32H 7/8" FastLine Flange D-PC32J 1+5/8" FastLine Socket D-PC32K 1+5/8" FastLine Flange
Options ⁽²⁾	O-HCS.05 Heat Sinks

TUNING DATA ⁽²⁾

	2.8		2.4		2.0	
Frequency Spacing (Bandwidth)	2.0 MHz (2.8 MHz)		1.6 MHz (2.4 MHz)		1.4 MHz (2.0 MHz)	
Tuning Code	T-2F.01		T-2F.03		T-2F.02	
Max RMS NB Input Power ⁽³⁾	(108 MHz) Default 3.8 kW Heat Sinks 4.6 kW		(108 MHz) Default 3.2 kW Heat Sinks 3.8 kW		(108 MHz) Default 2.6 kW Heat Sinks 3.1 kW	
Max RMS Output Power ⁽³⁾	5.9 kW		5.9 kW		5.9 kW	
NB Insertion Loss	(87.5 MHz) < 0.27 dB ±150 kHz < 0.29 dB + 0.06·n dB	(108 MHz) < 0.27 dB < 0.29 dB	(87.5 MHz) < 0.32 dB ±150 kHz < 0.34 dB + 0.06·n dB	(108 MHz) < 0.33 dB < 0.35 dB	(87.5 MHz) < 0.40 dB ±150 kHz < 0.44 dB + 0.06·n dB	(108 MHz) < 0.41 dB < 0.45 dB
WB Insertion Loss	< 0.06·n dB		< 0.06·n dB		< 0.06·n dB	
Selectivity	C.F. ± 2.8 MHz > 26 dB		C.F. ± 2.4 MHz > 26 dB		C.F. ± 2.0 MHz > 26 dB	
Harmonic Attenuation	> 40 dB up to 324 MHz		> 40 dB up to 324 MHz		> 40 dB up to 324 MHz	
NB Return Loss (VSWR)	> 26 dB (1.11)		> 26 dB (1.11)		> 26 dB (1.11)	
WB Return Loss (VSWR)	Single Ch. > 30 dB (1.07) All band > 24 dB (1.14)		Single Ch. > 30 dB (1.07) All band > 24 dB (1.14)		Single Ch. > 30 dB (1.07) All band > 24 dB (1.14)	
Isolation Between Inputs	> 35 dB		> 35 dB		> 35 dB	
Group Delay Variation	< 40 ns		< 60 ns		< 80 ns	

⁽¹⁾ Approximate, default configuration ⁽²⁾ Other Connectors, Options, Tunings available ⁽³⁾ Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)