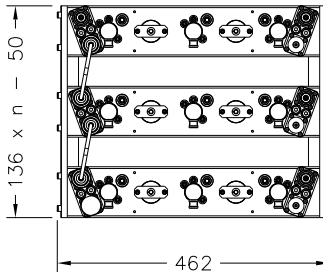
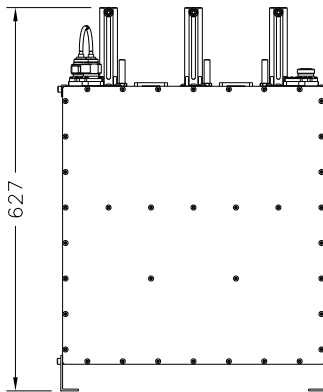
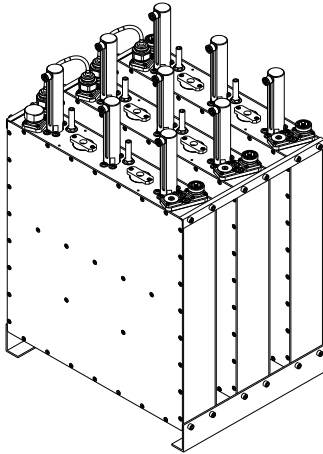


FM 3-Pole 80 mm Manifold Combiner

MX3P80F



FEATURES

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

OPTIONS

- Frame

SPECIFICATIONS

Code / Revision	B-MX3P80F/n / A
	<i>n: Number of Filtered Inputs</i>
No. of Poles / Cavity Size	3-Pole / 80 mm
Frequency Range	87.5-108 MHz
Frequency Spacing	≥ 1.2 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⁾	462x(136·n-50)x627 mm / 13·n kg
Links	SM250 FEP Cable (7-16 Female)
Connectors ⁽²⁾	32 mm Inputs; 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-RMX.03 30mm Modular Frame System

TUNING DATA ⁽²⁾

TUNING DATA ⁽²⁾	2.0			1.6			1.2		
Frequency Spacing (Bandwidth)	2.0 MHz (2.0 MHz)			1.6 MHz (1.6 MHz)			1.2 MHz (1.2 MHz)		
Tuning Code	T-3F.01			T-3F.02			T-3F.03		
Max RMS Input Power ⁽³⁾		(108 MHz)			(108 MHz)			(108 MHz)	
	Default	900 W		Default	720 W		Default	540 W	
Max RMS Output Power	2.0 kW			2.0 kW			2.0 kW		
Insertion Loss		(87.5 MHz)	(108 MHz)		(87.5 MHz)	(108 MHz)		(87.5 MHz)	(108 MHz)
	C.F.	< 0.63 dB	< 0.63 dB	C.F.	< 0.79 dB	< 0.79 dB	C.F.	< 1.05 dB	< 1.05 dB
	±150 kHz	< 0.65 dB	< 0.65 dB	±150 kHz	< 0.82 dB	< 0.82 dB	±150 kHz	< 1.12 dB	< 1.12 dB
		+ 0.06·(n-1) dB			+ 0.06·(n-1) dB			+ 0.06·(n-1) dB	
Harmonic Attenuation	> 50 dB up to 324 MHz			> 50 dB up to 324 MHz			> 50 dB up to 324 MHz		
Selectivity	C.F. ± 2.0 MHz	> 27 dB		C.F. ± 1.6 MHz	> 27 dB		C.F. ± 1.2 MHz	> 27 dB	
Return Loss (VSWR)	> 26 dB (1.11)			> 26 dB (1.11)			> 26 dB (1.11)		
Isolation Between Inputs	> 30 dB			> 30 dB			> 30 dB		
Group Delay Variation	< 10 ns			< 20 ns			< 40 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)