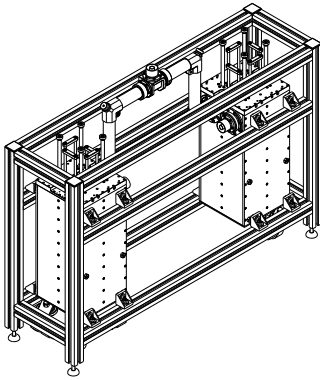


VHF B.III 4-Pole 100 mm Starpoint Combiner

SF4E100B



FEATURES

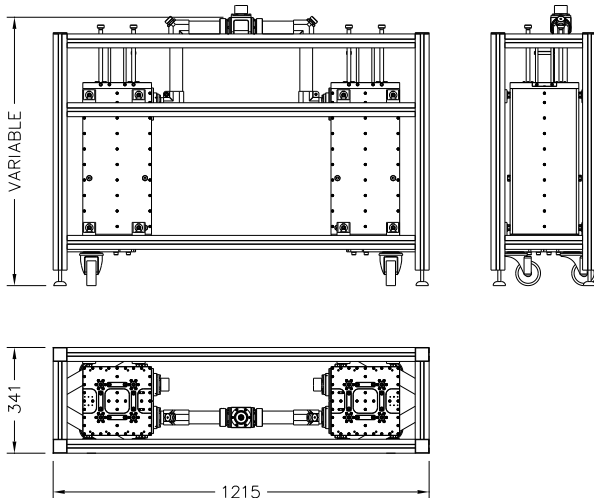
- 100 mm Cavity Size
- 4-Pole
- Modular Frame System
- Temperature Stabilized
- DC Short
- Interchangeable Connector System

OPTIONS

- Heat Sinks
- Liquid Cooling

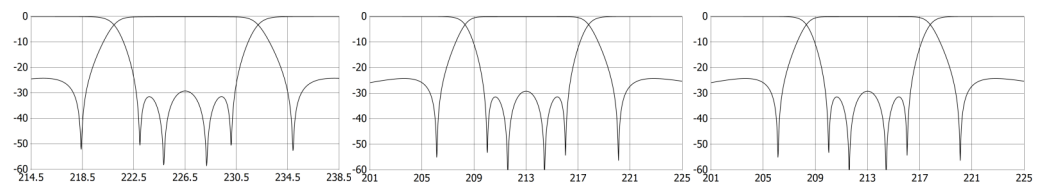
DVB-T2
 TERRESTRIAL

ATSC
 ADVANCED TELEVISION
 SYSTEMS COMMITTEE

ISDB-T


SPECIFICATIONS

Code / Revision	B-SF4E100B / A
Order / Cavity Size	4 Pole / 100 mm
Frequency Range / Bandwidth	174-240 MHz / 6-8 MHz
Temperature Stability	< 6 kHz/K
Max Operating Temperature (Body)	65°C (149°F)
Environmental Conditions	-5 to +55°C (+23 to +131°F), IP60
Dimensions / Weight ⁽¹⁾	1215x341xVAR mm / 62 kg (137 lb.)
Links	1+5/8" Rigid Line
Connectors ⁽²⁾	3x 64 mm Series NB Input; Output
	D-PC64J 1+5/8" FastLine Socket (Default)
	D-PC64K 1+5/8" EIA FastLine Flange
	D-PC64M 3+1/8" FastLine Socket
	D-PC64N 3+1/8" EIA FastLine Flange
Options ⁽²⁾	O-HS.03 Heat Sinks
	O-LC.01 Liquid Cooling
Liquid Cooling Interface ⁽²⁾	3/8" NPT Male
Coolant / Liquid Flow	Glycol and Water 6 l/min (1.6 gal/min)

TUNING DATA ⁽²⁾

	DVB-T/T2	ATSC	ISDB-T
Tuning Code / Bandwidth	T-4E.06 / 7 MHz	T-4E.08 / 6 MHz	T-4E.09 / 6 MHz
Max RMS Input Power ⁽³⁾	3.25 kW	3.0 kW	3.0 kW
with Heat Sinks	4.25 kW	3.75 kW	3.75 kW
with Liquid Cooling	7.5 kW	6.5 kW	5.0 kW
Insertion Loss	174 MHz 230 MHz C.F. < 0.20 dB < 0.22 dB ±3.325 MHz < 0.24 dB < 0.27 dB ±3.413 MHz < 0.25 dB < 0.28 dB (+ 0.10 dB)	174 MHz 216 MHz C.F. < 0.24 dB < 0.27 dB ±2.7 MHz < 0.29 dB < 0.32 dB (+ 0.10 dB)	174 MHz 216 MHz C.F. < 0.24 dB < 0.27 dB ±2.79 MHz < 0.29 dB < 0.32 dB (+ 0.10 dB)
Selectivity	C.F. ± 5.25 MHz > 2 dB C.F. ± 10.5 MHz > 20 dB	C.F. ± 6.0 MHz > 16 dB C.F. ± 9.0 MHz > 20 dB	C.F. ± 4.5 MHz > 1 dB C.F. ± 9.0 MHz > 20 dB
Return Loss / VSWR	> 25 dB / < 1.12	> 25 dB / < 1.12	> 25 dB / < 1.12
Isolation	> 30 dB	> 30 dB	> 30 dB
Group Delay Variation	< 50 ns	< 40 ns	< 40 ns

⁽¹⁾ Default configuration ⁽²⁾ Other Connectors/Options/Tunings available ⁽³⁾ Altitude < 1500 m (4,900 ft.), free air, standard environmental conditions, non-adjacent channels