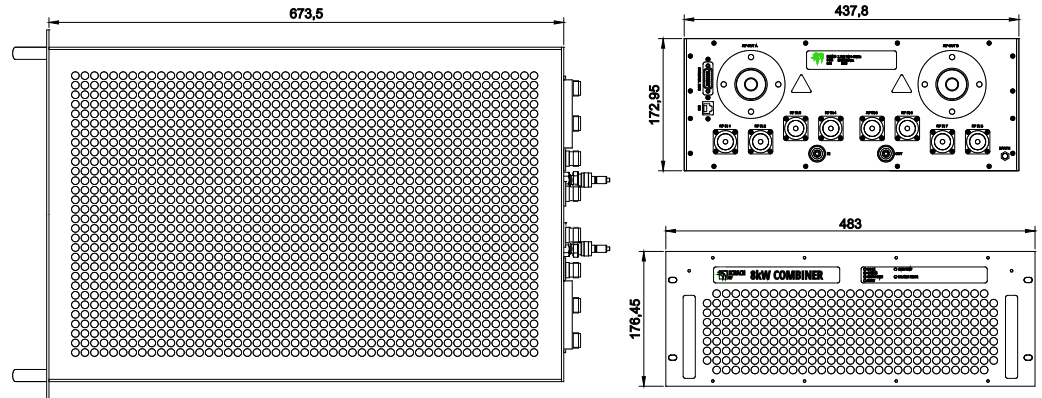


Dual 4:1 8kW Combiners

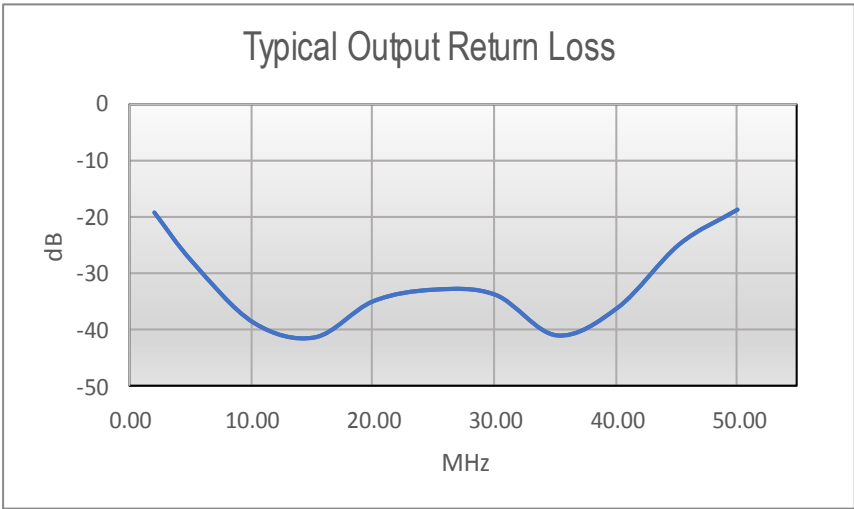
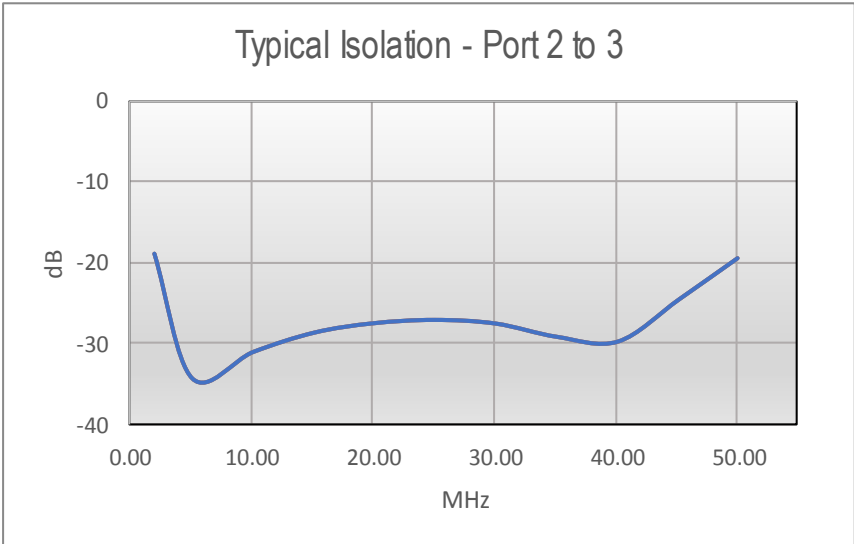
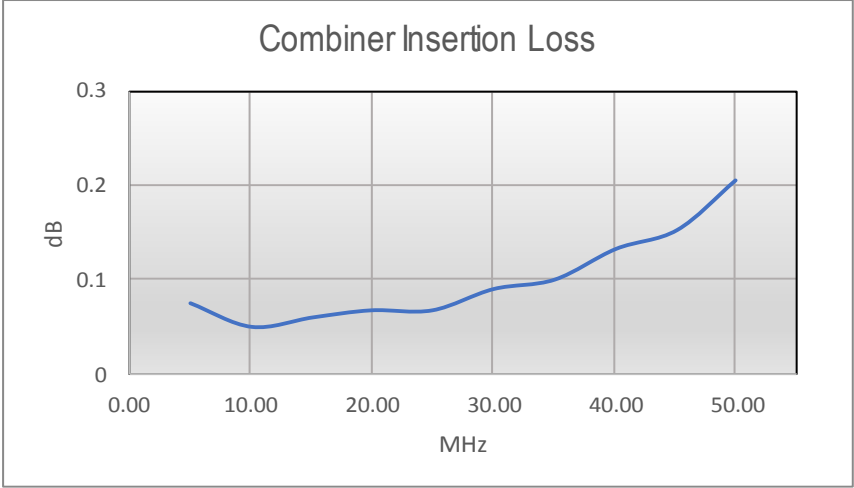


HIGHLIGHTS

- ◆ 2-45MHz Broadband Capable
- ◆ Low Insertion Loss
- ◆ Good isolation
- ◆ Water cooled balance loads
- ◆ 1-5/8 EIA or LC outputs
- ◆ Fail-safe protection
- ◆ Remote monitor interface

ITEM	SPECIFICATION	NOTES
Model	SRF8KCMB82	
Power	8kW x 2 outputs	
Type	In-phase combining	Each 4:1 combiner is independent.
Frequency Range	3– 32 MHz Normal Operation 2-45 MHz Extended Operation	Derate linearly to half power from 3 to 2 MHz and from 32-45 MHz.
Insertion Loss	<0.2dB (0.1dB typ.) 2-32MHz	See graph
Isolation	>20dB (25dB typ.) 2-32MHz	Output terminated in 50Ω See graph
Un-balance Handling	Operates continuously with at least one missing input from each 8kW combiner.	Protected against excessive unbalance power by asserting SHUTDOWN line.
Monitoring	Unbalance resistor voltages and temperatures.	Available via I2C bus.
Output Match	Return Loss >25dB 3-45MHz	Inputs terminated in 50Ω. See graph
Output Coupler	Optional internal dual coupler available for each output.	See SRF8KCPL datasheet for specifications
Physical	19" x 4RU x 673mm chassis	
Inputs	8x 7-16 Female	
Outputs	2x 1-5/8 EIA flange	Optional LC connectors available
Interface	D15 female parallel interface RJ45 I2C interface	
Cooling	Requires > 2lpm clean potable water, up to 40°C. Swagelok no-leak quick disconnect valves.	Combiner can operate safely with up to 50°C water for short periods.

Note: Specifications may change as product evolves. Confirm with factory before order for any critical specifications.



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