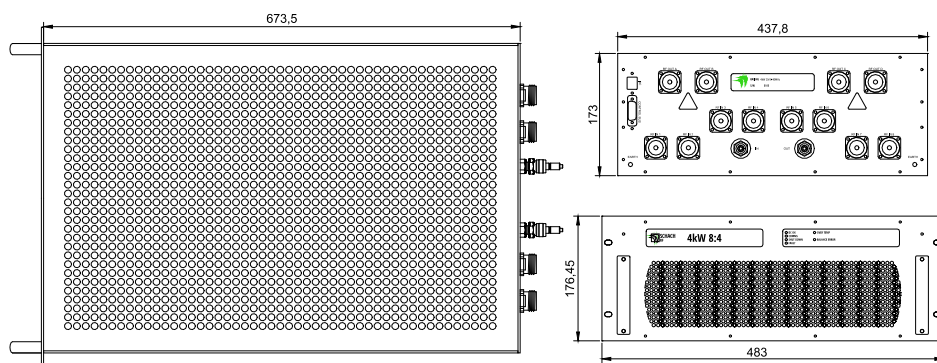


Quad 2:1 4kW Combiners

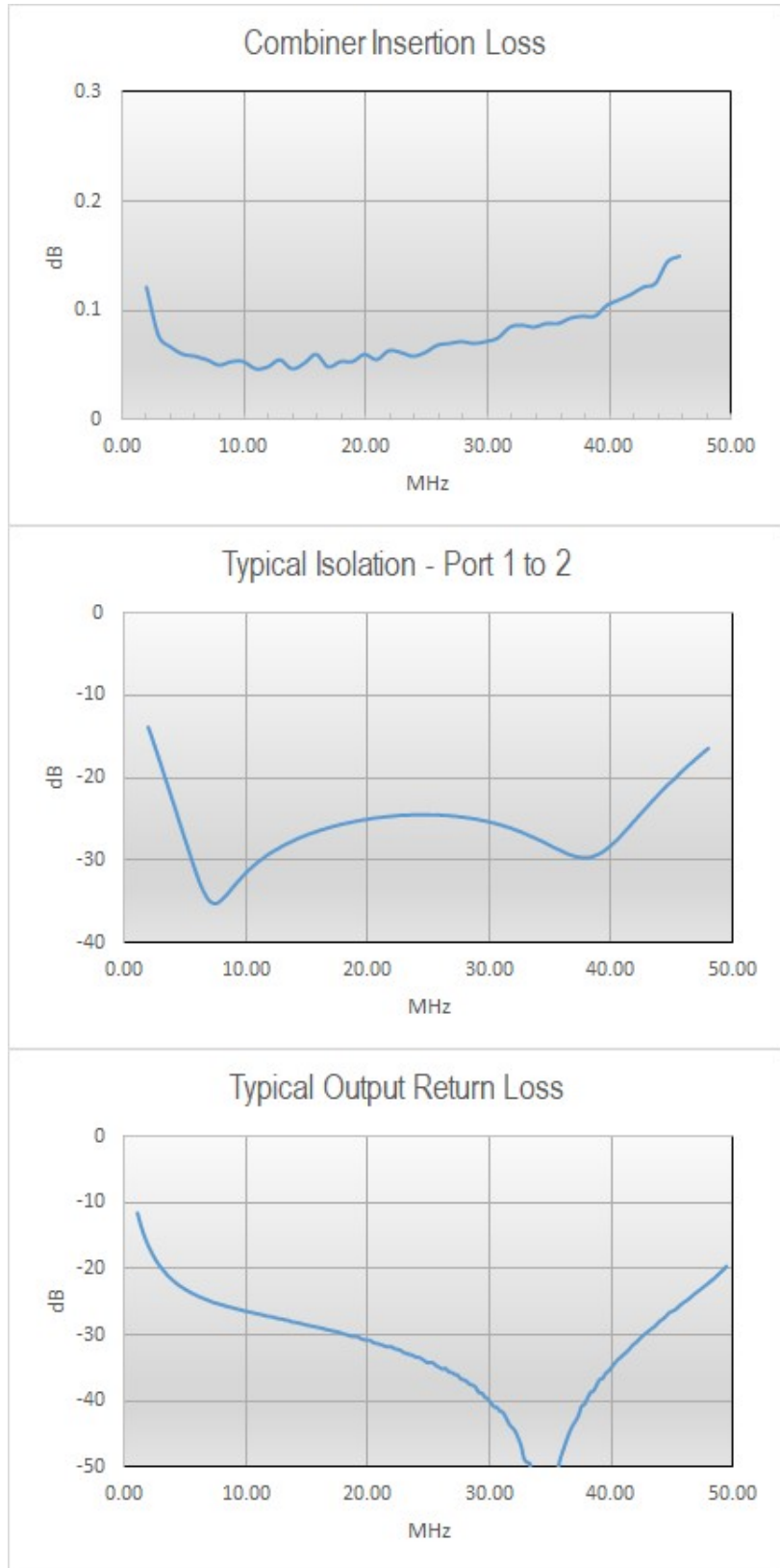


HIGHLIGHTS

- ◆ 3-45MHz Broadband Capable
- ◆ Low Insertion Loss
- ◆ Good isolation
- ◆ Water cooled balance loads
- ◆ Fail-safe protection
- ◆ Remote monitor interface

| ITEM | SPECIFICATION | NOTES |
|----------------------------|--|---|
| Model | SRF4KLCMB84 | 4 Independent 2:1 Combiner Channels |
| Power | 4kW x 4 outputs | |
| Type | In-phase combining | |
| Frequency Range | 5- 40 MHz Normal Operation 3-45 MHz Extended Operation | Derate linearly to half power from 3 to 2 MHz and from 40 to 45 MHz. |
| Insertion Loss | <0.15dB (<0.1dB typ.) 5-40MHz | See graph |
| Isolation | >20dB (25dB typ.) 5-40MHz | Output terminated in 50Ω See graph |
| Un-balance Handling | Operates continuously with at least one missing input from each 4kW 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 5-40MHz | Inputs terminated in 50Ω. See graph |
| Physical | 19" x 4RU x 673mm chassis | |
| Inputs | 8x 7-16 Female | |
| Outputs | 4x 7-16 Female | |
| 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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