



APPLICATION NOTES

The UC1KW is an ideal power amplifier combiner with very low insertion loss. When using this type of combiner it is necessary to understand the following:

- 1 This is a non-isolated combiner with minimum isolation port-port. It is best to feed this combiner with isolators to minimize the risk of damage to the amplifiers in case there is a failure in the system causing high VSWR.
- 2 The input signals to each port of the UC1KW must be phase and amplitude coherent to insure that maximum combined power is transferred to the load.
- 3 Under certain environmental conditions, operation at maximum ratings may require a heat sink.

