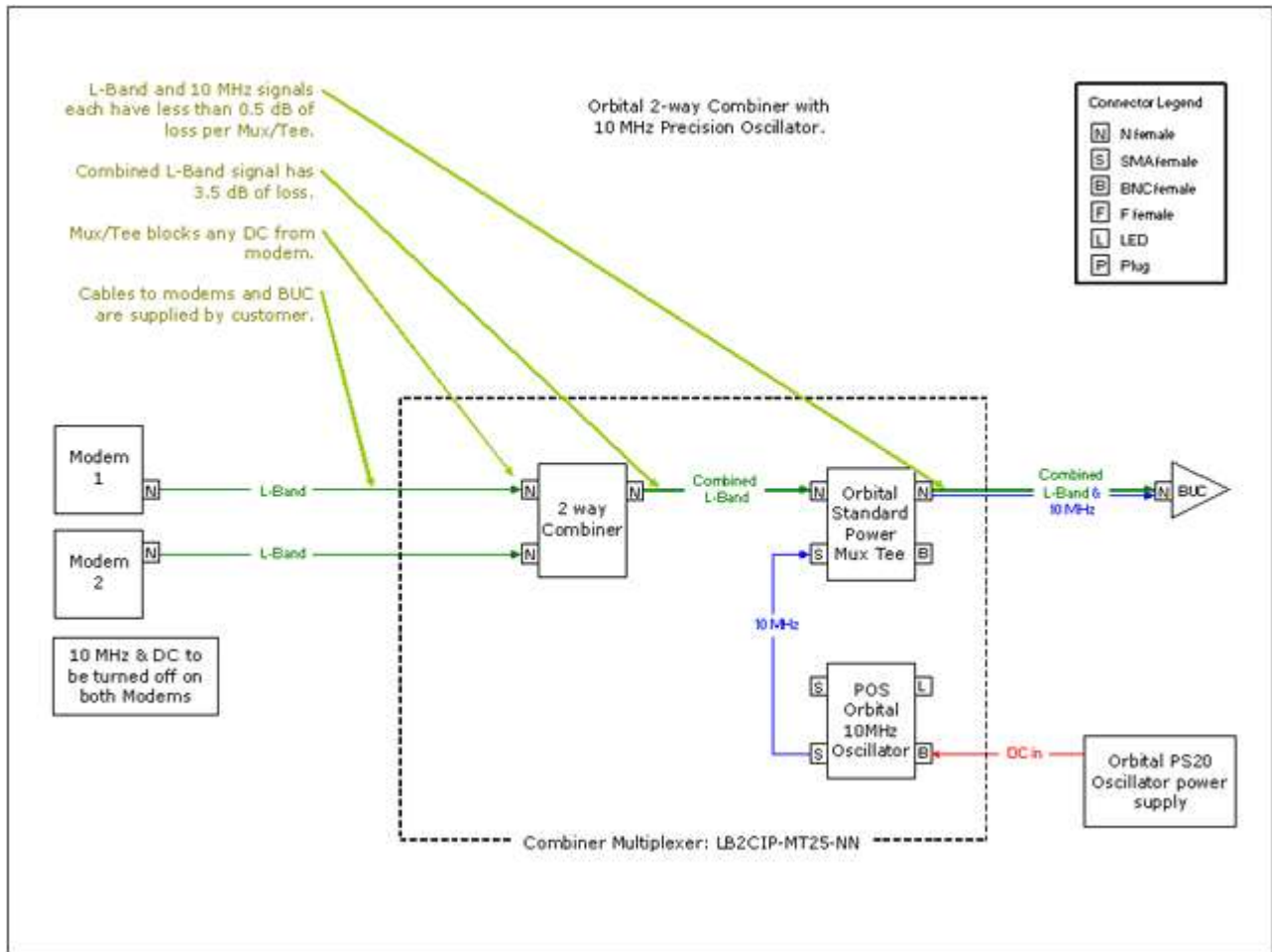


Two Way Combiner with 10 MHz Precision Oscillator

Orbital 2-way Combiner with 10 MHz Precision Oscillator

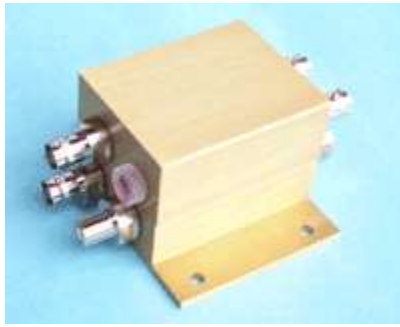
With the 10 MHz reference and DC turned off on a pair of modems, only the L-Band is passed to the 2-way combiner. An Orbital Ovenized Precision Oscillator (POS), (or a MOS) provides the 10 MHz reference to the Orbital Mux/Tee that integrates the signals and inserts the DC power.



Signal Line Legend

- DC Power
- L-Band
- 10 MHz Reference

Cables from Modem to Combiner and from Combiner to BUC, supplied by customer. All of jumpers supplied by Orbital.
 All modems need to have their DC turned off.
 The 10 MHz signal is provided by an Orbital standalone, 10 MHz Oscillator (MOS or POS).
 The Orbital Mux/Tee is required at the output of the Combiner to integrate the 10 MHz with the L-Band signal and DC power.



POP - Precision Oscillator Package

Shown as a stack, also available on a plate, or in a rack.

