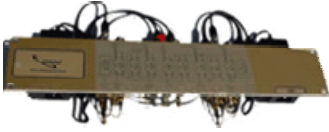


...Stripping Out 10 MHz from Modem 1...



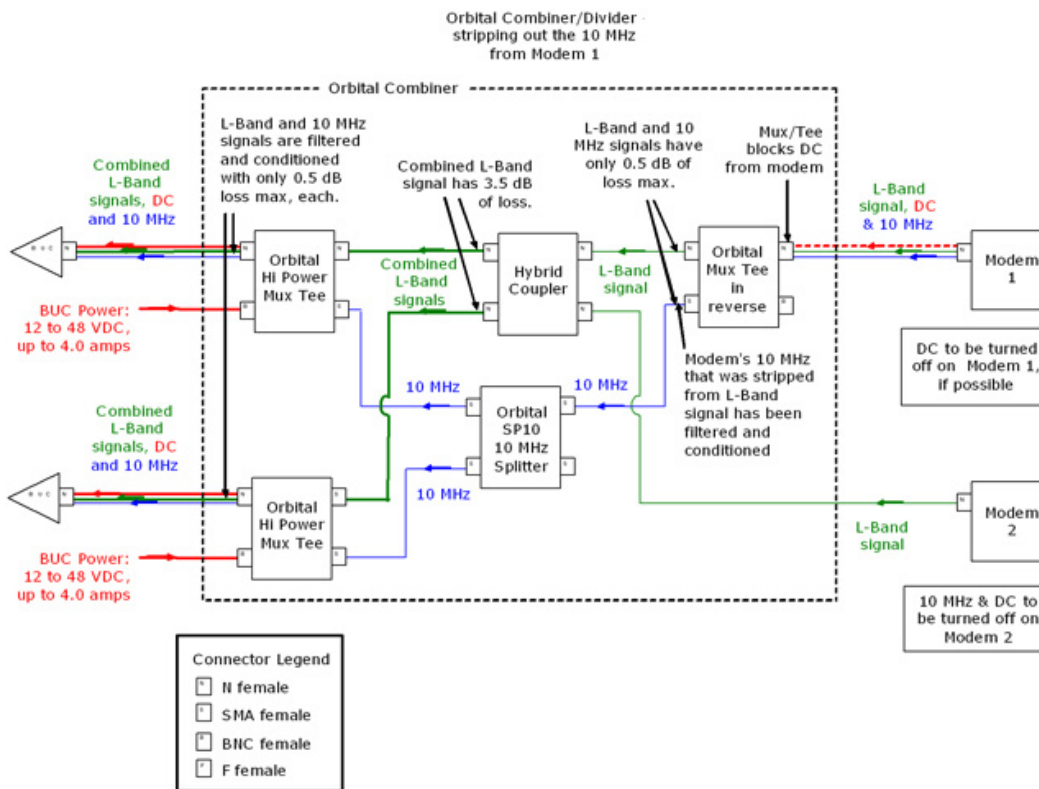
... to Feed a Pair of High Power BUCs with the Combined Signal

The 10 MHz signal is taken from one of the modems by an Orbital Mux/Tee in reverse and then that signal is split in 2 by an Orbital 10 MHz splitter to feed the two Orbital hi Power Mux/Tees at the output.

The Orbital Hi Power Mux/Tee is required at the output of the Combiner to re-integrate the 10 MHz with the L-Band signal. So at no extra cost, the customer can insert the DC to power the BUC at this point eliminating the need to have an extra cable out to the BUC or to have power outside at the BUC.

Orbital modular designs permit easy access to each signal port for diagnostics, testing, and system maintenance. Modularity also permits easy re-configuration, expansion, and replacement at low incremental cost - the benefits of custom design, the low cost of mass production.

Remember that Orbital Combiners solve the problem of External Reference signals.



Signal Line Legend

- DC Power
- L-Band
- 10 MHz Reference