

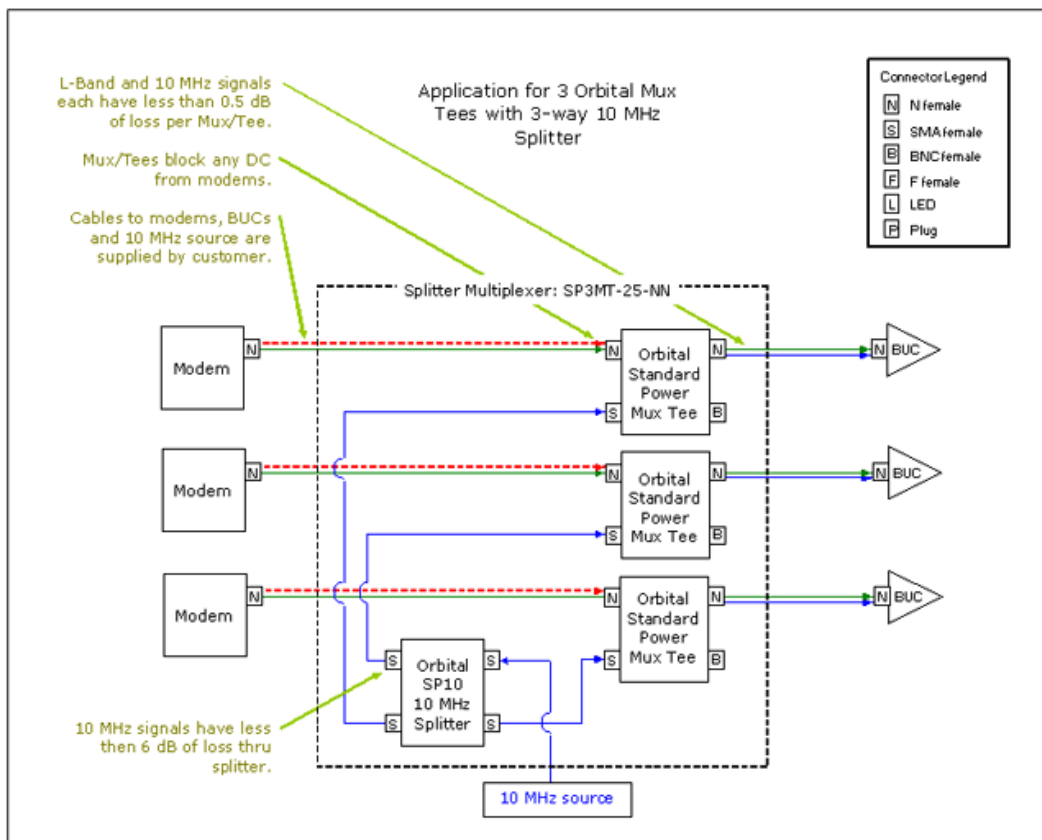
# Splitting the 10 MHz Signal from a Source to Multiple Devices

Using an Orbital 10 MHz Splitter to provide 10 MHz reference signals to three BUCs using Orbital MT25 Mux Tees

Orbital Oscillator are designed to provide a high output level to allow splitting the reference signal to feed multiple devices. The passive 10 MHz splitter, (that does not contribute noise - no active devices) divides the reference signal with minimal loss, excellent VSWR, and high port to port isolation. This is important because reference devices can generate interfering signals that must not be allowed to reach other locked devices. Normal splitters do not have a high level of isolation.

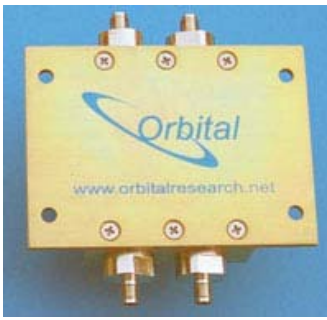
This solution will work with your existing 10 MHz source, or you could use an Orbital MOS or POS, depending on your specific application. This particular solution can be provided as a stack for mounting back o' rack, on a plate, or in a rack.

Note that in the Splitter Multiplexer, the part number includes the type of connectors used, the Orbital Mux Tees can come with a variety of connectors to suit your application, and the Mux Tee can make the impedance transforms with minimal signal loss - less than 0.5 dB for the L-Band and 10 MHz signals.



## Signal Line Legend

- DC Power
- L-Band
- 10 MHz Reference



SP10 -  
10 MHz Splitter

