

DIRECTIONAL COUPLER WITH MULTIPLE ARRANGEMENTS OF TERMINATION

ABSTRACT

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According to some aspects of this disclosure a radio frequency signal coupler is provided. The radio frequency coupler includes an input port, an output port, a main transmission line extending between the input port and the output port, a coupled transmission line electromagnetically coupled to the main transmission line, at least one coupled port coupled to the
10 coupled transmission line, and a plurality of termination ports connected to the coupled transmission line, each termination port of the plurality of termination ports being connected to the coupled transmission line at a different location to provide a plurality of coupling factors corresponding to a plurality of signal frequencies.

15 [FIG.3]