PHASE SHIFTERS WITH SWITCHED TRANSMISSION LINE LOADS

ABSTRACT OF THE DISCLOSURE

Apparatus and methods for phase shifters with switched transmission line loads are provided herein. In certain embodiments, a phase shifter includes a first port, a first controllable reflective load, a second port, a second controllable reflective load, and a pair of coupled lines that are electromagnetically coupled to one another. The pair of coupled lines includes a first conductive line between the first port and the first controllable reflective load and a second conductive line between the second controllable reflective load and the second port. At least one of the first controllable reflective load or the second controllable reflective load includes a switched transmission line load.

Fig. 3