

248. Title: China: Power Combiners/Dividers

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Abstract: Several types of coaxial-waveguide power dividers/combiners are summarized in this article. These types of coaxial-waveguide power dividers/combiners have several advantages, such as wide bandwidth, large numbers of power-dividing ports, excellent input impedance matching, low insertion loss, and good balance of amplitude and phase at output ports. It should be noted that these structures can be utilized in active power-combining systems and array antennas. With the development of microwave and millimeter-wave communication systems in China/more novel power dividing/combining circuits will be investigated in the millimeter-wave and terahertz frequency bands.