Abstracts

Properties of Symmetric Hybrid Waveguide Junctions (Correspondence)

In his letter J.M. Smith states that in a fully symmetric lossless hybrid where all arms are matched, the amplitudes of the waves traveling in the reverse direction in the main and auxiliary guides are equal. To allow for the existence of the reflected waves this theorem should read: "In a slightly imperfect symmetric hybrid with matched loads on the output ports the amplitude of the reflected wave at the input port is equal to the amplitude of the wave at the isolated port."

❑ Return to main document.

Click on title for a complete paper.