

Abstracts

Improvements to the design of the 0-180/spl deg/ rat race coupler and its application to the design of balanced mixers with high LO to RF isolation

J.L.B. Walker. "Improvements to the design of the 0-180/spl deg/ rat race coupler and its application to the design of balanced mixers with high LO to RF isolation." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 747-750.

An improved rat-race coupler is described which, in the ideal case, has a pair of ports with infinite isolation between them at all frequencies. This improved rat-race coupler is useful in such applications as the design of balanced mixers with high LO to RF isolation.

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