

Abstracts

A Unique Solid-State Diplexer (Correspondence)

J. Brown and J. Clark. "A Unique Solid-State Diplexer (Correspondence)." 1962 Transactions on Microwave Theory and Techniques 10.4 (Jul. 1962 [T-MTT]): 298-298.

A diplexer is a familiar device which readily combines two separate radio-frequency signals to permit simultaneous transmission through a single transmission line or separates a composite signal into its constituent parts to permit each part to be transmitted or proceed individually. This correspondence describes a unique method of deriving diplexing action in a simple Y-junction circulator, and suggests a method of diplexing in other devices which depend upon the phase shift properties of ferromagnetic material for their operation.

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