Abstracts

A Broad-Band Microwave Coaxial Connector with Capacitive RF Coupling and Isolated DC Returns (Correspondence)

C.M. Lin and R.W. Grow. "A Broad-Band Microwave Coaxial Connector with Capacitive RF Coupling and Isolated DC Returns (Correspondence)." 1958 Transactions on Microwave Theory and Techniques 6.4 (Oct. 1958 [T-MTT]): 454-454.

A modified type N connector for passing RF while grounding the center conductor of the coaxial line has been reported by McLaughlin and Dunn. This device is useful for many applications but in microwave measurements it is sometimes necessary to have a high pass filter with a different dc voltage connected to each side of the filter. One such situation occurs in the connection of the input terminal of a microwave tube at one dc potential to a signal generator at essentially ground potential. Such a filter has been made with a type N connector having a series capacitance in the center conductor and a high resistance wire connected to one side of the split center conductor and passing through a small hole in the outer conductor.

❑ Return to main document.