

Abstracts

DC-20 GHz N X M Passive Switches (1988 Vol. II [MWSYM])

M.J. Schindler, M.E. Miller and K.M. Simon. "DC-20 GHz N X M Passive Switches (1988 Vol. II [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1001-1005.

MMIC switch networks with complexities up to 4 x 4 have been demonstrated using multiple chips, and up to 2 x 2 and 1 x 4 have been demonstrated using single chips. The switches all use a combination of series and shunt passive FET switching elements. A 1 x 2 switch and a 1 x 4 switch are comprised of a single switching stage. A 2 x 2 switch is comprised of two stages of 1 x 2 switches. A 4 x 4 switch is made of four stages of 1 x 2 switches. All the switches are passive and bidirectional, and all operate from dc to 20 GHz.

 [Return to main document.](#)