

Title (en)
Flexible microwave switch matrix

Title (de)
Flexible Mikrowellen-Schaltmatrix

Title (fr)
Matrice hyperfréquence de commutation flexible

Publication
EP 1014468 A2 20000628 (EN)

Application
EP 99125180 A 19991217

Priority
US 21768198 A 19981221

Abstract (en)
A planar microwave switch matrix including a plurality of inputs (22) for receiving input signals, a plurality of outputs (26) for transmitting output signals, and a plurality of nodes (20) connecting the inputs to the outputs. Each node (20) includes a switch (30), an input coupler (28) and an output coupler (32). The input and output couplers connecting input lines to output lines such that any input can be connected through a switch to any output. The planar microwave switch matrix is formed on a dual-sided circuit board to form a plurality of co-planar waveguide transmission lines. The layout of the microwave switch matrix allows any combination of input lines and output lines to be connected at a given time, while providing sufficient signal isolation to prevent interference. <IMAGE>

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H01P 1/10

IPC 8 full level
H01H 57/00 (2006.01); **H01H 59/00** (2006.01); **H01P 1/10** (2006.01)

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