

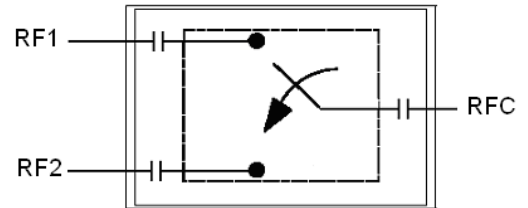


10MHz-2GHz Tx/Rx Switch

RSW11

Description

The RSW11 is a very low-cost transmit/receive GaAs E-pHEMT switch. The device can handle power levels as high as +28dBm and can operate from 10 MHz to 2GHz. The switch will operate from power supply voltages as low as 0.25V and as high as 5V. On-chip circuitry allows single positive supply operation at very low DC current with control inputs compatible with CMOS and most TTL logic families.



Applications

- ISM Band Systems
- Cellular Systems

Key Features

- 10MHz to 2GHz
- Frequency range covered
- Low Insertion Loss
- High Isolation
- Positive Control Voltage
- High Isolation

Electrical Specification

	Min	Typical	Max	Units
Frequency	0.01		2	GHz
Insertion Loss		0.5		dB
Isolation		32		dB
Return Loss		15		dB
Input P1 dB		30		dBm

Truth Table For Control Logic

Control Input		Signal Path Rate
A	B	RF To
High	Low	RF1
Low	High	RF2

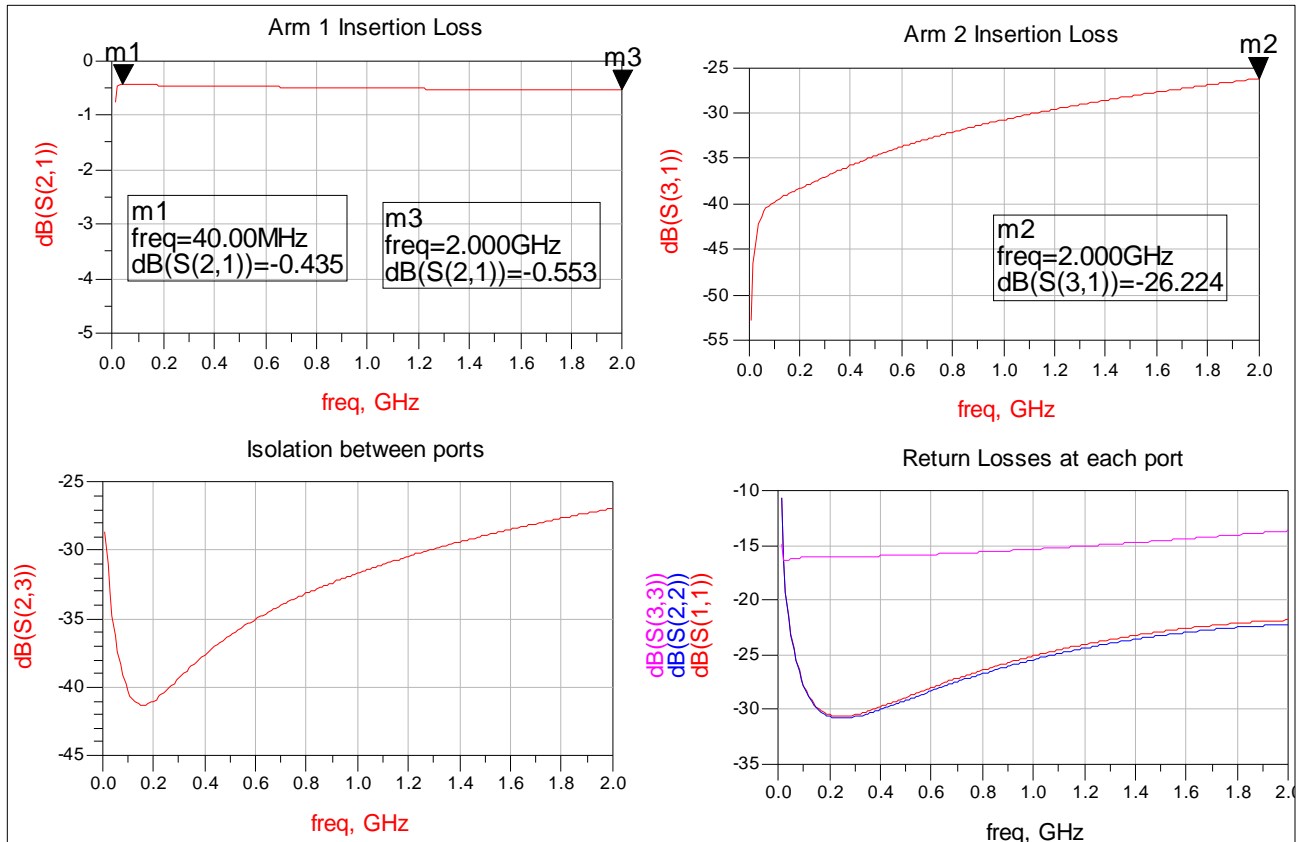


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Simulated Result

ARM 1 ON

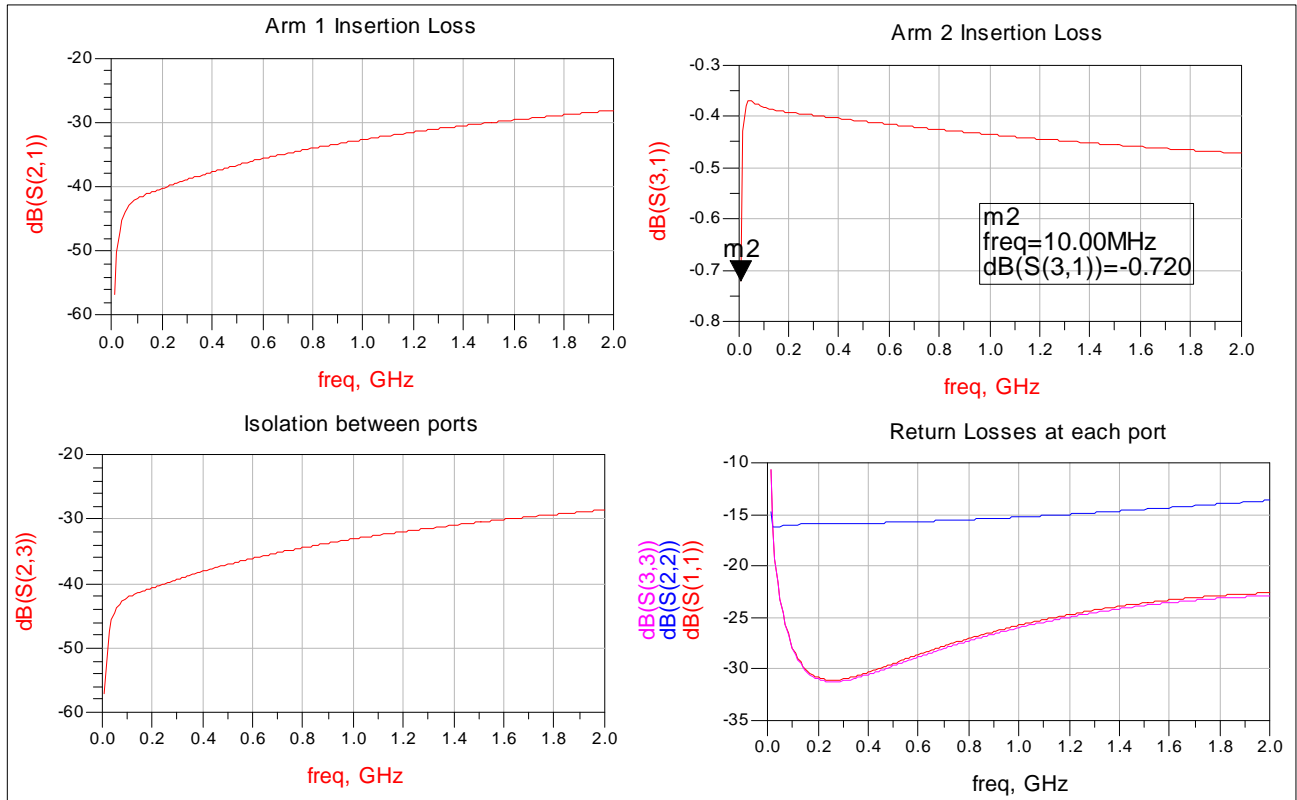




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ARM 2 ON



Layout

