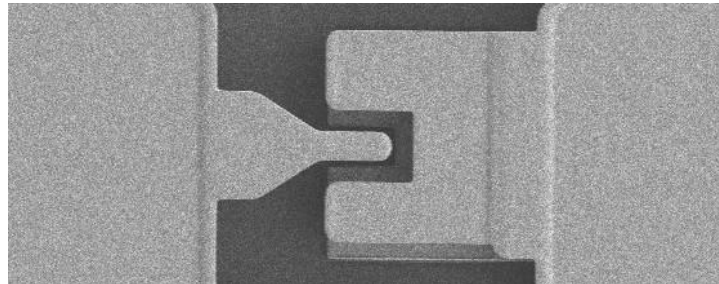


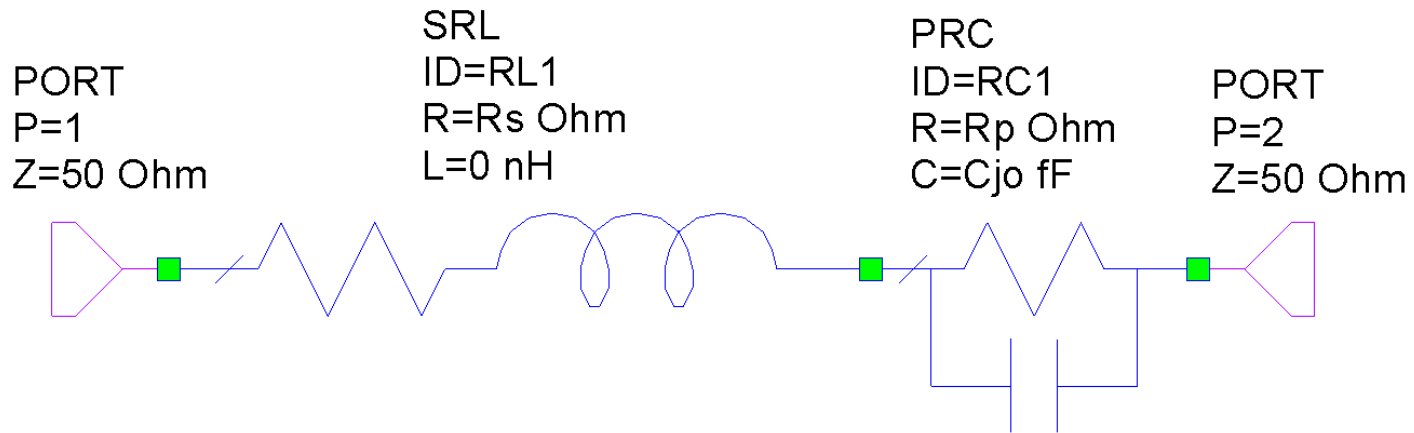
# THz Schottky Diode



- THz Schottky Diode is available for low-loss mixers of up to W-band applications
- Process can be monolithically integrated with InGaP HBT or PHEMT process
- Design kits, models and samples are available upon request



# Diode Model



# Summary of Schottky Diode Data



On-Wafer Measurement				
Diode	Rs	Cjo	fc(THz)	Rs-f(RF)
SBD 1.6X4	8.83	11.89	1.517	18.97
SBD 1.6X6	7.43	15.53	1.380	12.90
SBD 1.6X8	5.99	19.24	1.380	10.22
SBD D3	9.69	12.59	1.304	17.77
SBD D3.4	7.87	14.70	1.375	14.45
SBD D4	6.97	18.05	1.266	11.68