



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE
DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[FD3] SIW and Waveguide-Based Circuits
Session Date:	December 5 (Fri.), 2025
Session Time:	13:20-15:00
Session Room:	Room D (Samda B)
Session Chair(s):	Chunxia Zhou (Nanjing University of Science and Technology, China) Jeln Yu (KETI, Korea)

[FD3-1] 13:20-13:40

Design of Compact SIW BPF Matching Network with Harmonic Suppression Capability

Palaystint Thorng (Jeonbuk National University, Korea (South)); Phanam Pech (Jeonbuk National University, Korea (South) & JIANT-IT Human Resource Development Center, Korea (South)); Suyeon Kim, Girdhari Chaudhary and Yongchae Jeong (Jeonbuk National University, Korea (South))

[FD3-2] 13:40-14:00

Design of SIW Filters Based on Circuit Model Extraction

Chunxia Zhou (Nanjing University of Science and Technology, China)

[FD3-3] 14:00-14:20

Band-Pass Filters Through Unmetallized 3D Printed Dielectric Waveguide Inserts

Tinus Stander (University of Pretoria, South Africa); Carlos Sempere Chaves and Dirk Nüßler (Fraunhofer FHR, Germany)

[FD3-4] 14:20-14:40

Low-Pass Corrugated Filters Based on Half-Mode Groove Gap Waveguide Technology

Stephan Marini and Antonio Seller-Rueda (Universidad de Alicante, Spain); Pablo Soto (Universidad Politécnica de Valencia, Spain); Encarnación Gimeno Nieves (Universidad de Alicante, Spain); Vicente Boria (Universidad Politécnica de Valencia, Spain)

[FD3-5] 14:40-15:00

Design of a 3-dB Broadband Coupled-Line Coupler Based on Periodically Corrugated Rectangular Coaxial Waveguide

Kelin Zhang, Qiuyi Zhang and Shunli Li (Southeast University, China); Hongxin Zhao (State Key Laboratory of Millimeter Waves, Southeast University, China)