



APMC 2025

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

Session Title:	[FA2] [SS] Advanced Components for 5G/6G
Session Date:	December 5 (Fri.), 2025
Session Time:	10:30-12:10
Session Room:	Room A (Halla A)
Session Chair(s):	Seongwoog Oh (University of Seoul, Korea) Kwang Ho Ahn (KETI, Korea)

[FA2-1] 10:30-10:50

Glass-Based Reconfigurable Intelligent Surface for 6G Upper-Mid Band Applications

Hong Seokyeon, Seunggoo Nam and Sehwan Choi (Korea Electronics Technology Institute (KETI), Korea (South)); Youngju Kim and Byungdu Kim (Dongwoo Fine-Chem Co., Ltd., Korea (South))

[FA2-2] 10:50-11:10

A Millimeter-Wave Multi-Functional Single-Channel Beamforming IC

Soo-Chang Chae, Young-Hwan Choo and Ki-Jin Kim (Korea Electronics Technology Institute, Korea (South))

[FA2-3] 11:10-11:30

Compact n77/n79 Diplexer Using Dual BAW Filters and Glass IPD Based Matching Networks

Daehee Park (Korea Electronics Technology Institute (KETI), Korea (South)); Minsoo Park (Korea Electronics Technology Institute & Yonsei University, Korea (South)); Jongsu Ha (Wisol, Korea (South)); Dongsu Kim (Korea Electronics Technology Institute, Korea (South))

[FA2-4] 11:30-11:50

Super-Compact Reconfigurable Cavity-Backed Antenna Diplexer for 5G and 6G Applications

Rusan Kumar Barik (SR University, Warangal, Telangana, India); Chandu DS (VIT-AP University, India); Kritika Bansal (Vellore Institute of Technology AP University, Amaravati, India)

[FA2-5] 11:50-12:10

Design of Miniaturized Bandpass Filters with Adjustable Bandwidth Based on HR-Si IPD Technology

Yane Zheng and Yuandan Dong (University of Electronic Science and Technology of China, China)