



# APMC 2025

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

Session Title:	<b>[FE3] Compact, Wideband, and Multifunctional Passive Microwave Components</b>
Session Date:	December 5 (Fri.), 2025
Session Time:	13:20–15:00
Session Room:	Room E (301)
Session Chair(s):	Ching-Wen Tang (National Chung Cheng University, Taiwan) Inchan Ju (Ajou University, Korea)

**[FE3-1]** 13:20–13:40

**A Ku/K/Ka-Band Ultra-Compact Wilkinson Power Divider/Combiner Realized in a Single Shared Inductor Using Magnetic Coupling Cancellation**

Yoongoo Kang and Inchan Ju (Ajou University, Korea (South))

**[FE3-2]** 13:40–14:00

**A Compact High-Isolation Wilkinson Power DividerCombiner for W- and D-Band with Series and Coupled Inductors**

Jong-Seong Park, Joon-Hyung Kim, Jae-Hyeok Song, Jae-Eun Lee, Jeong-Taek Son, Min-Seok Baek, Byeong-Chan Lee, Ilhun Kim, Eun-Gyu Lee and Choul-Young Kim (Chungnam National University, Korea (South))

**[FE3-3]** 14:00–14:20

**Design of a Modified Gysel Power Divider with Enhanced Isolation and Integrated Harmonic Rejection**

Hong-Yu Chen and Ching-Wen Tang (National Chung Cheng University, Taiwan)

**[FE3-4]** 14:20–14:40

**Design and Measurements of a 10–12 GHz Four-Way Transformer-Based Power Divider in 22nm FDSOI**

Evgenii Fedorov (TU BS, Germany & Fedorov, Germany); Vadim Issakov (Technische Universität Braunschweig, Germany)

**[FE3-5]** 14:40–15:00

**A Wideband, Low-Loss, and Highly Reliable Supportless Air-Filled Coax-to-Waveguide Transition with Monolithic 3-D Printing Integration**

Ziyang Lin, Jin Li, Zhentao Xie, Zhihong Xu and Tao Yuan (Shenzhen University, China)