



# APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

**Session Title:**

**[FE3] Compact, Wideband, and Multifunctional Passive Microwave Components**

**Session Date:**

**December 5 (Fri.), 2025**

**Session Time:**

**13:20-15:00**

**Session Room:**

**Room E (301)**

**[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 Divider/Combiner 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)