



APMC 2025

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

Session Title:	[FA3] Microwave Circuits and Systems
Session Date:	December 5 (Fri.), 2025
Session Time:	13:20–15:00
Session Room:	Room A (Halla A)
Session Chair(s):	Shawn S. H. Hsu (National Tsing Hua University, Taiwan) Koocho Jung (MPI Corporation, Korea)

[FA3-1]	13:20–13:40
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A K-Band CMOS Power Amplifier with Transformer-Based Matching for High Gain and Low Distortion

Min-Seok Kwon and Jong-Ryul Yang (Konkuk University, Korea (South))

[FA3-2]	13:40–14:00
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A 157 GHz Direct Downconversion IQ Mixer in 130 nm BiCMOS Technology

Nils Arneth, Kai Scheller, Timur Isbilen and Sascha Breun (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany); Robert Weigel (Friedrich-Alexander Universität Erlangen-Nürnberg, Germany); Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

[FA3-3]	14:00–14:20
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A Compact Tunable Meta-Filter for X/Ku Band Power Applications

Karim Kouny and Romain Fleury (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland)

[FA3-4]	14:20–14:40
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Array Rectenna for Wide-Angle Coverage with FOCV MPPT Algorithm

Minjae Ahn and Hyunchul Ku (Konkuk University, Korea (South))

[FA3-5]	14:40–15:00
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Self Packaged Broadband RRC with Swapped Ports for Upper Mid-Band Applications

Seungkyun Roh and Byung-Wook Min (Yonsei University, Korea (South))