

MACOM Expands Diode Portfolio with Three 80 GHz to 100 GHz Wideband Control Products

The MASW-011111-DIE, MAAD-011038-DIE and MAAV-011014-DIE are best in class control components manufactured using MACOM's patented AlGaAs PIN diode process

Lowell, Massachusetts, August 4, 2020– [MACOM Technology Solutions Inc.](https://www.macom.com) (“MACOM”), a leading supplier of semiconductor solutions, today announced at the virtual International Microwave Symposium (IMS) three new wideband diode products, the MASW-011111-DIE, the MAAV-011014-DIE and the MAAD-011038-DIE.

These new products are the microwave industry's first integrated W-band diode products that operate between 80 GHz – 100 GHz frequency range while also achieving high linearity and 1dB power compression of approximately +25 dBm.

- The MASW-011111-DIE is a wideband single pole, double throw switch that offers 0.8 dB insertion loss over the operating frequency range with 25 dB of isolation.
- The MAAV-011014-DIE is a wideband Voltage Variable Attenuator (VVA) that offers < 3 dB insertion loss, > 25 dB attenuation range and return loss > 10 dB in all attenuation states.
- The MAAD-011038-DIE is a wideband 3-bit step digital attenuator with 1 dB LSB, 7 dB attenuation range and return loss > 12 dB in all attenuation states.

These new parts are ideally suited for a multitude of applications, including Aerospace & Defense, Medical, Passive Imaging, Radiometry, SATCOM and Test Instrumentation.

MACOM will highlight its RF portfolio at the 2020 Virtual International Microwave Symposium (IMS), August 4th – 6th. We invite you to sign-up for a private meeting with our engineering, applications and sales teams to learn about our latest products and technology. For more information about MACOM's RF technology solutions, please visit: www.macom.com.

ABOUT MACOM:

MACOM designs and manufactures semiconductor products for Datacenter, Telecommunication and Industrial and Defense applications. Headquartered in Lowell, Massachusetts, MACOM has design centers and sales offices throughout North America, Europe and Asia. MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard.

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