

Abstracts

An Affordable Low-Profile Multifunction Structure (ALMS) for an Optoelectronic (OE) Active Array

I.L. Newberg and J.J. Wooldridge. "An Affordable Low-Profile Multifunction Structure (ALMS) for an Optoelectronic (OE) Active Array." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 509-512.

Three "Leap-Ahead" technologies that can be combined into a design to make affordable shared aperture active array radars are discussed in this paper. They are Microwave Multi-Chip Module packaging, digital radar, and photonic signal manifolding and true time delay beamsteering.

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