

## Silicon-On-Sapphire (SOS) Monolithic Transceiver Module Components for L- and S-Band

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*D. Laighton, J. Sasonoff and J. Selin. "Silicon-On-Sapphire (SOS) Monolithic Transceiver Module Components for L- and S-Band." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 37-39.*

Phase-shifter and power amplifier functional sub-assemblies have been built using monolithic circuit techniques. Silicon-on-sapphire (SOS) material is used with active devices made directly in the silicon epi layer, with lumped thin-film components used as passive elements.

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