

Abstracts

A 3-6 GHz Lightwave/Microwave Transceiver Module for Microwave Fiber-Optic Communications

E. Ackerman, S. Wanuga, J. Komiak, D. Kasemset, R. Scotti, W. MacDonald and J. Gates. "A 3-6 GHz Lightwave/Microwave Transceiver Module for Microwave Fiber-Optic Communications." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 577-579.

A novel 3-6 GHz lightwave/microwave transceiver module has been demonstrated which combines an advanced lightwave component packaging technology with MMIC module technology. The module is compact and low profile, measuring 0.1x1.0x0.9 in., and exhibits greater than 16 dB RF-to-RF gain. This transceiver module marks the first significant step in the integration of fiber-optic interfaces into microwave subsystems.

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