

# Abstracts

## Miniature 60 GHz transmitter/receiver modules on AIN multi-layer high temperature co-fired ceramic

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Very compact 60 GHz transmitter/receiver modules for W-LANs have been successfully implemented by using AIN multi-layer HTCC and MMIC technologies. The two modules that have leadless DC/IF interfaces are highly integrated in the extremely small size of 1.0 cc (21/spl times/16/spl times/3.05 mm/sup 3/). The presented modules are operated at the highest frequency of aluminum nitride multi-layer HTCC MCMs, to the best of our knowledge.

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