CYIENT



Overview

BAND TRM

CYIENT LTD

Cyient's Transmit Receive Module is based on hybrid PCBs technology using packaged devices. The technology is suitable for AESA/E-Scan Ground and Airborne radar applications offer a unique and innovative solution to system integrators and prime contractors seeking a high performance, low cost, high level transmit/receive solution for the development of active antenna array systems and sub-systems.

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Key Features

- Core for the AESA AAAU (Active Antenna Array Unit) platforms
- Modular architecture
- Uses off the shelf SMD components
- Compact multi-layer hybrid substrate
- Cost competitive automated production
- High efficiency & reliability
- Weight ~ 20 grams
- Connector-less design
- Reduced cost of ownership

Technical Specifications

- Operating Frequency: 8.8 GHz to 10.2 GHz.
- Transmit output power level: The typical Output Power from the Module shall be more than > 4W
- Receiver Chain Gain: Gnom= 28dB.
- Rx Noise Figure: ≤ 3.5 dB max
- No. of Attenuation/Phase shift Bits: 6 Bits
- Operating Temperature range: -40°C to +65°C

Cyient (Estd: 1991, NSE: CYIENT) is a global engineering and technology solutions company. As a design, build, operate & maintain partner for leading organizations worldwide, we take solution ownership across the value chain and leverage the power of digital technologies and advanced analytics, along with domain knowledge and technical expertise, to solve complex business problems. With more than 16,000 employees in 20 countries, our industry focus includes aerospace and defense, medical, telecommunications, rail transportation, semiconductor, industrial, and energy.