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CYIENT

32 Channel
Part No : P90020056
Serial No : 01
Cyient , Bangalore

32 CHANNEL PLANK UNIT

Overview

Analog devices ADAR 1000 based 32 Channel, 8-12 GHz Transmit Receive Module for AESA radar applications.

Key Features

- Number of output Channels: 32 Channel output
- SMP connectors for RF input and output
- PS and Control Interface: 48 Pin- Micro D-sub connector
- Transmit Output Power Level: +7 dBm (Min) per Channel
- Input/output VSWR (Tx): 2:1 (max.)
- Input/output VSWR (Rx): 2:1 (max.)
- Tx Input Power Range: 6dBm±1 dBm
- Tx Pulse Width: 100µs with 20% duty (Pulse Mode)/CW capable

Technical Specifications

- Frequency of operation: 9 to 10 GHz
- DC Supply voltage: +28V
- DC power (max @consumption 20% Duty): 23 Watts
- Operating Temperature: - 40o C to + 65o C
- Storage Temperature: - 55o C to + 85o C
- Dimensions: 592 mm X 120mm X 14.5mm (L, W, H)
- Weight: 1600 grams

Benefits

- Very good sensitivity; with a frontend module
- Can support waveforms FH, OFDM with QAM and CPFSK