



TWO-CH DIGITAL MONOPULSE TRACKING RECEIVER FOR EARTH STATION

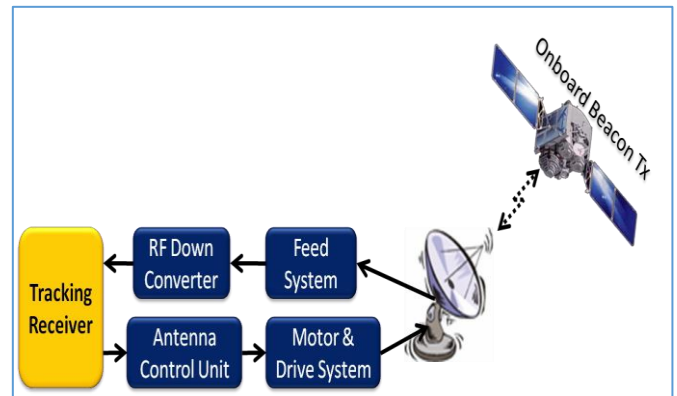
The two-channel digital monopulse tracking receiver for earth station is a 70-MHz monopulse tracking receiver. It is one of the subsystems of monopulse antenna tracking system in large earth stations. It generates DC error signals proportional to antenna off-pointing by processing the input IF signals in digital domain. These output error signals are used to drive the antenna in appropriate direction to correct the off-pointing error.

Major Applications

- GEO Satellite Earth Station Antenna Tracking
- LEO Satellite Earth Station Antenna Tracking

Salient Features

- Wide Tracking Range: 70MHz + 250KHz
- Wide dynamic range: 80db
- Selection loop BW: 300Hz, 1KHz and 3 KHz
- Low input C/No threshold: 36dBHz
- Selectable Tracking Range: 50 KHz, 150KHz, & 250 KHz
- User friendly Monitoring & Control for Local and Remote operation
- Save/Recall configuration for different satellite
- DC Error signals output: Analog and Digital
- Low cost, flexible, easier production
- 19-inch rack mountable 3U chassis



Technology Transfer

SAC/ISRO offers to transfer this technology of the **Two Channel Monopulse Tracking Receiver** developed by SAC to industries in India with adequate experience and facilities. Enterprises interested in obtaining knowhow may register and submit their proposal to IN-SPACe, Ahmedabad at www.inspace.gov.in

For more details, Contact:

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