

TECHNOLOGIES TRANSFERRED FROM ISRO

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ASIC BASED DEMODULATOR

(Technology Transferred to M/s Komoline Electronics Pvt. Ltd.)

ASIC based bpsk Demodulator forms an important subsystem for any satellite communication. This is a selectable data rate Demodulator from 2.88 kbps to 2.048 mbps. It accepts 455 KHz to 70 MHz (programmable) at the input and delivers data output at selected rate with RS422 interface. L-band interface is optional. It is capable of tracking input signal over 70% of the data range. Coherent demodulation is implemented to achieve performance within 1 dB of theoretical values. It can be used as a subsystem for Digital Audio Networking, Distance Education and Training, Disaster Warning Management System, News and Data Broadcast etc.

For further details, please contact:

Director
Technology Transfer & Industry Cooperation (TT&IC)
ISRO Headquarters
"Antariksh Bhavan"
New BEL Road
Bangalore - 560 094



2009

TT&IC, ISRO HQ, Antariksh Bhavan, New BEL Road, Bangalore – 560 094
www.isro.gov.in