



## 19' PCM/FM SOQPSK SBAND RECEIVER AND bitsync MODEL BA2106TLAB-SB1-IFX

### SPECIFICATIONS:

This Receiver allows operation in either SOQPSK ( TIER 1) or PCM/FM ( TIER 0 ) Operation . the unit accepts RF Frequencies in the 2.2-2.4GHz Range and supplies a Data and Clock according to the required Modulation Rate. The unit includes two IF BW Modes for Narrow and Wide IF Signals . Parameters Can be controlled either by RS232 input or by push button keys on Front Panel . The unit can supply both Data, Clock and the 70MHz Amplitude limited output ( to use with external Demodulator).

The unit can be configured to operate in either SOQPSK or PCM/FM . Since the data is received in both Clock and data , this saves the need for an additional Bit synchronizer.



### RECEIVER

- **Frequency :** L,LOW-S, HIGH-S,C BAND [FACTORY SELECT]
- **Steps :** 100KHz
- **NF:** 5dB including internal Filter
- **IF BW** HI/LO BW OPTION [ SELECTED BW AVAILABLE]
- **IMAGE REJECTION** 40dB

### BIT SYNCHRONIZER

- **Modulation Rate:** 300KBPS to 20MBPS
- **Steps :** 0.01MBPS
- **Modulation Format:** NRZ-L
- **De-randomize:** 15F,None
- **LOOP BW:** 0.5 – 2% [in 0.1% Steps]
- **Data Invert :** On/Off
- **Clock Phase :** 0,90,180,270 deg



- **Size:** 255 X186 X 99 mm
- **Power Supply:** 110-230VAC 50/60Hz
- **OPERATION MODES:** 4
- **Indication:** RSSI -BAR GRAPH  
SIGNAL, LOCK - LEDS
- **Outputs:** 1 TTL DATA OUTPUT  
1 TTL CLOCK OUTPUT  
1 RS422 DATA+CLOCK PAIR  
1 RECEIVER VIDEO OUTPUT  
1 RECEIVER VIDEO 70MHz OUTPUT
- **SETTING:** RS232 CONTROL ,LEXAN PANEL