

Model ASC350LHS(940 MHz to 2150 MHz) Beacon Receiver

Quality Products @ Reasonable Prices

Functional Description

The Model **ASC350LHS Beacon Receiver** is a high stability unit that is designed to real time track the power density of a satellite beacon and output a DC voltage that is linearly proportional to the beacon power by utilizing a true, RMS-responding power detector. The applications for the **ASC350LHS** are for antenna step track controlling and uplink power control system.

The **ASC350LHS** is a modular unit that is designed to be remotely controlled by means of a RS232 or RS422 interface. The compact design of the unit makes it ideal for mounting directly into a transportable antenna system where space is at a premium. All monitoring and control functions are provided by a common DB-15 connector. By utilizing a wide range of DC voltage for powering the unit makes for a more flexible user interface.



Systems Specifications:

Input Frequency940 MHz to 2150 MHz
 Level Stability± 1.5 dB Peak, -20 to +55 deg.C
Non-condensing
 Warm Up Time < 2 Minutes within 1 dB
 Input Level Range ..-85 to -35 dBm for full tracking range
 Frequency Tuning 10 kHz Steps
 Frequency Adjust Remotely
 AFC ± 30 kHz
 Attenuation Adjust Remotely
 Attenuation Steps 0.5 dB
 Attenuation Range..... 50dB
 Pre-detection Bandwidth 60 kHz
 Threshold <45 dB-Hz
 Input Impedance.....50 Ohm
 Input Connector.....SMA, Female
 Output Impedance..... 100 Ohm, single ended
 Output Voltage 0 to 10 VDC for 20 dB input level change
 Output Voltage Response 400 ms, 0 to 10 VDC
 Output Voltage Stability Time < 2 min. to within 1 dB from cold start
 Power + 12 to + 24 VDC @ 10 Watts
 Alarm Relay..... Form C, Normally Closed

Interface:

Connector..... DB-15, Male
 M & C 9600,N,8,1 RS-232 & RS-422
 Power Connector Plug (supplied)....Conxall (6282-2PG-3DC)

Physical Characteristics:

Size 9"L X 4.25"W X 1.15"H
 Weight 1 lb. (454 g)

Environmental Specifications:

Operating Temperature Range - 20°C to +55° C
 Storage Temperature -40°C to +70° C
 Humidity 95% RH@ 40° C

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