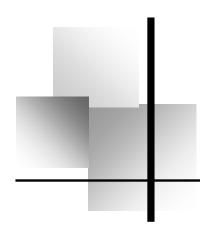


ASC300L-D



Model ASC 300L-D (950 MHz to 2300 MHz) Beacon Receiver

Quality Products @ Reasonable Prices



Functional Description

The Model ASC300L-D Beacon Receiver is a designed for data tracking with side band rejection. This is a high performance 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. The applications for the ASC300L-D are for antenna step track controlling and uplink power control system.

Systems Specifications

Input Frequency	950 MHz to 2300 MHz
Gain Stability	+ 1 dB, 0 to 50 deg. C
	vidth (1) 60 kHz
Input Level	90 dBm, min.; -30 dBm max.
	For full tracking range capability
	10 kHz Steps
	Front Panel or Remotely
Threshold Alarm	.adjustable on 0.1V (0.2 dB) Steps
from front panel	
Input Impedance	50 Ohm
Input Connector	Type-N, Female
Output Impedance	100 Ohm, single ended
	Terminal plug and BNC Female
	0 to +10 VDC
	for a 20 dB input level change
	0 to 60dB, 0.5dB Steps
Frequency Stability	<u>+</u> 0.5 ppm
Frequency Reference	e10 MHz (Internal)
	>75 dB-Hz, 1 kHz from Carrier
	Unit Lock

Alarm Relay
M&C Connector
Optional: 10/100 Fast Ethernet Ethernet Interface
Size
Primary Power
Environmental Specifications:
Operating Temperature
Storage Temperature

Note: (1) Requires + 25 KHz Downlink Stability



* CDS Continuous Digital Streaming

The streaming option associated with the ASC300 series of beacon tracking receivers provides a continuous, two byte, data stream running at 9600 baud that contains twelve bits of signal strength level indication as well as lock or alarm condition of the unit. Other baud rates are available. A female DB9, RS-232, interface connector on the rear of the unit is specifically dedicated for this option.