

Model ASC 300-X (Internal BDC) Beacon Tracking Receiver

Quality Products @ Reasonable Prices



Functional Description:

The Model ASC300 X Beacon Tracking Receiver is a high performance self contained 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 ASC300 X will tune over any X band satellite (7.25 - 7.75 GHz) by utilizing an internal block down converter. The applications for the ASC300 X are for antenna tracking controllers and uplink power control system.

Systems Specifications:

Input Frequency(7.25 to 7.75 GHz)
 Internal Block Converter
 Pre-detection Bandwidth 60 kHz
 Input Level-90 dBm, min.; -30 dBm max.
 For full tracking range capability
 Frequency Tuning 10 kHz Steps
 Frequency AdjustFront Panel or Remotely
 AFC..... \pm 30 kHz
 Threshold45 dB-Hz (C/N₀) for acquisition Input
 Impedance50 Ohm
 Input Connector .. Type-N, Female (SMA **Optional**)
 Output Impedance 100 Ohm, single ended
 Output Connector. Terminal plug and BNC Female
 Tracking Gradient 0.5 V/dB, Std
 Tracking Response0 to +10 VDC for a
 20 dB input level change
 System Level Adjust 60 dB, Linear
 Frequency Stability <1 ppm, 0^oc to +50^o c

Frequency Reference10 MHz (Internal)
 Phase Noise >75 dB-Hz, 1 kHz from Carrier
 AlarmsUnit Lock
 Alarm Relay Form-C
 Front Panel Display Vacuum Fluorescent
 M&C RS-232/422/485 Switchable on rear panel
 M&C Connector.....DB-9, Female on rear
 Ethernet 10/100 Base T.....(**Optional**)
 Ethernet ConnectorRJ-45 on rear

Physical Characteristics:

Size.....1.75"H X 16.00"D X 19.00"W
 Weight.....12 lb. (5.44 kg)
 Primary Power.....90 - 264 VAC 47 - 63Hz, 1.4 A
 Auto-Sensing

Environmental Specifications:

Operating Temperature.....0^oc to +50^o c
 Storage Temperature.....-40^oc to +70^o c
 Humidity.....95% RH@ 40^o c

Ethernet Option:

Not installed on STD units. Must be installed at factory.

Software support:Windows 98/2000/XP/2003/Vista/7 32bit & 64bit.

Protocol:TCP/IP,UDP,HTTP,SNMP,ARP,Telnet,ICMP,BOOTP,DHCP,SMTP.

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