



ATR Series

Ku Band Tracking Receiver

Features

- IRU Indoor EIA 530 19 inch Rack Mount
- Front panel control
- Full remote control via RS232/ RS485 and Ethernet
- Selectable input & output attenuation
- Wide range Ku band input (10.7 GHz - 12.75 GHz)
- Selectable DC and 10 MHz reference at the input port
- Selectable bandwidth (10 KHz / 32 KHz / 64 KHz)

Reliability

Field proven with system deployed worldwide. Agilis ATR can withstand temperature from 0°C to +50°C up to 95% non-condensing humidity.

Quality Assurance

All Agilis ATR are designed and manufactured according to ISO 9001 Standard.

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Technical Specifications

RF Specifications

RF In	MIN	MAX
BAND 1	10.70 GHz	10.95 GHz
BAND 2	10.95 GHz	11.70 GHz
BAND 3	11.70 GHz	12.25 GHz
BAND 4	12.25 GHz	12.75 GHz
VSWR		1.5:1
IF Frequency		21.4 MHz
Input Attenuation		
Range		0 dB - 40 dB
Step Size		0.5 dB
Accuracy		+/- (0.25+5% of Atten.Setting) Max.
Output Attenuation		
Range		0 dB - 30 dB
Step size		0.5 dB
Accuracy		+/- (0.25+5% of Atten.Setting) Max.
LO's Frequency Stability		
Vs. Temperature		±30 ppb (0 to 50 °C)
Vs. Time		±0.5 ppb/Day @ 25°C

Environmental Specifications

Operating temperature	0°C to 50°C
Relative humidity	Up to 95%
Storage Temperature	-10°C to 60°C

Mechanical Specifications

Dimensions	483 (W) x 410 (L) x 44 (H) mm
Weight	4.5 Kg
Colour	Black

Beacon Tracking

IF Frequency for Detection	21.4 MHz typ
Tracking Slope	
Range	0.1-1 V/dB
Step size	0.1 V/dB
Bandwidth Selectable	
BW1	10 KHz Typ
BW2	32 KHz Typ
BW3	64 KHz Typ
Input RF Ku Band Sensitivity Range	-90 dBm to -40dBm
IF (21.4 Hz) Sensitivity Range	-50 dBm to 0 dBm
Analog DC Output Range	0 VDC to 10 VDC
Reference DC Setting	
Range	0 VDC to 10 VDC
Step Size	0.1 VDC
Reference IF Level	
Range	-35 dBm to 5 dBm
Step Size	1 dB
IF Alarm Level Setting	
Range	-35 dBm to 5 dBm
Step Size	1 dB

*All Specifications are subject to changes without notice.
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