

▶ ATB350 Series, Telephone Interface

▶ DESCRIPTION

Radiant Communications ATB350 Series is capable of transmitting a touchtone telephone signal, two-way, in real-time audio over one or two multimode fibers for distances of up to 5 km, and distances of up to 100+ km over one or two singlemode fibers. The transmitter, placed at the telephone, and the receiver, placed at the Line/PBX end, consists of a complete system. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.

▶ BENEFITS

Real-Time Audio Over One or Two Fibers

Plug and Play operation

▶ FEATURES

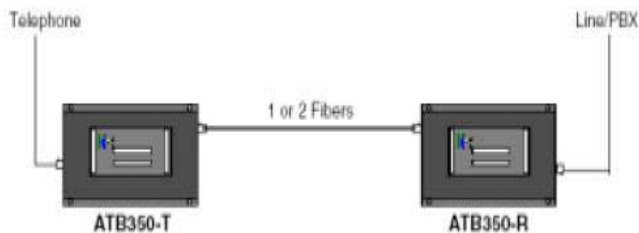
Real-Time Audio Over One or Two Fibers

Multimode Distances up to 5 km

Singlemode Distances up to 100+ km

AGC Circuitry

Diagnostic Indicators



**Radiant
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2/2005

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SPECIFICATIONS

Audio

Bandwidth: 150 Hz to 5 kHz
 I/O Impedance: 600 Ohms, Balanced
 SNR: 66 db
 THD: <1%

Connector:
 Audio RJ11C

Optical

Wavelength: 850nm, 1310nm, 1550nm, CWDM, DWDM
 Number of Fibers: 1
 Optical Connector: SC/APC, SC, ST, FC, FC/APC

General Characteristics

Power: 1.5 Amp @ 5VDC
 Operating Temperature: -20° to 50° C
 Storage Temperature: -40° to 85° C

Size: rackmount 17.0" W x 13.0" D x 1.75" H
 module 4.55" W x 7.0" D x 1.95" H
 Card cage 2 Slots in CR200 for 1 Fiber unit
 1 Slot in CR200 for 2 Fiber unit

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
ATB350MI-T-XY8	Transceiver/Phone , 1 Fiber, MM 850 nm	10 dB	0-3 km
ATB350MI-R-XY3	Transceiver/Line , 1 Fiber, MM 1310 nm	10 dB	0-3 km
ATB350M2-T-XY8	Transceiver/Phone , 2 Fibers, MM 850 nm	14 dB	0-5 km
ATB350M2-R-XY8	Transceiver/Line , 2 Fibers, MM 850 nm	14 dB	0-5 km
ATB350SI-T-XY3	Transceiver/Phone , 1 Fiber, SM 1310nm	18 dB	0-50 km
ATB350SI-R-XY3	Transceiver/Line , 1 Fiber, SM 1310nm	18 dB	0-50 km
ATB350S2-T-XY3	Transceiver/Phone , 2 Fibers, SM 1310nm	18 dB	0-50 km
ATB350S2-R-XY3	Transceiver/Line , 2 Fibers, SM 1310nm	18 dB	0-50 km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory
- Due to product enhancements, specifications subject to change without notice



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