

## ▶ VAB700 Video/Audio, One way

▲ Radiant Communications VAB700 Series can be ordered as a multimode or Singlemode transmission system. The system can transmit distances of up to 140+ km on Singlemode fiber, and 8 km on multimode. The Series is capable of transmitting one way video and audio over one fiber, and can be ordered as a standalone or rack mounted in our CR200 19" x 5.25" rack. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter

▶ Simultaneous Video/Audio, one way over one fiber

▶ Broadcast quality — RS-250 Medium Haul  
▶ Transmission distances of 100 km or more

▶ Analog Audio/Video Transmission  
▶ Singlemode and Multimode versions available

▶ NTSC/PAL compatible



# ▶ VAB700

## SPECIFICATIONS

### RS250 Medium Haul Video Video

Level: 1Vp-p Video  
 Bandwidth: 8 MHz  
 SNR/CTN: > 60 dB  
 I/O Impedance: 75 Ohms

### Audio

Input/Output Signal Level: 0dB (2Vp-p)  
 Input/Output Impedance: 10k or 600 Ohms  
 Bandwidth: 20Hz to 24kHz

### Optical

Wavelength: 850nm, 1310nm, 1550nm,  
 Number of Fibers: 1  
 Power Budget: see table below

### General Characteristics

Power: 5W @ 90 to 240V AC  
 Operating Temp: -20° to 50° C  
 Storage Temp: -40 to 85° C  
 Size: 17.0" W x 13.0D x 1.75" H

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VAB700M-T-XY8 VAB700M-R-XY8	Transmitter A/V, Multimode 850nm Re- ceiver A/V, Multimode 850nm	14dB	4km
VAB700ML-T-XY2 VAB700ML-R-XY2	Transmitter A/V, Multimode 1300nm Receiver A/V, Multimode 1300nm	12dB	8km
VAB700S-T-XY3 VAB700S-R-XY3	Transmitter A/V, Singlemode 1310nm Receiver A/V, Singlemode 1310nm	18dB	50km

### Note:

- Specify X—packaging of the unit: U—1U rack mount, M—modular (standalone), R—card cage rack mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add -48 for 48VDC power
- For higher distances contact factory



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