

Avantek Products

Wideband Small Signal Amplifiers 4.0 to 8.0 GHz

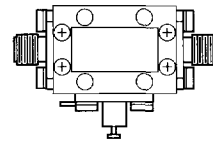
Technical Data

AFT Series

AFT —

**Avanpak Series Amplifiers,
Connectorized or Stripline
Compatible**

Pin Configuration BC_, BS_, BX_



(See Section 5 for detailed case drawings.)

AFT Series²

Guaranteed Specifications @ 25°C Case Temperature

Model	Frequency Response (GHz) Minimum	Gain (dB) Minimum	Typical Gain (dB)	Noise Figure (dB) Typ./Max.	Power Output for 1 dB Gain Compression (dBm) Minimum	Gain Flatness (±dB) Maximum	Typical Third Order Intercept Point (dBm)	VSWR (50 ohms) Maximum In Out		Input Power Current @ +12 V ¹ Typical (mA)	Case Type
AFT-8431-XXF	4-8	8.5	9.0	4.0/4.5	+10	1.0	+20	2.0	2.0	75	BC2
AFT-8432-XXF	4-8	17.0	18.0	4.0/4.5	+10	1.0	+20	2.0	2.0	125	BC2
AFT-8433-XXF	4-8	28.0	29.0	3.5/4.0	+12	1.0	+22	2.0	2.0	200	BC4
AFT-8434-XXF	4-8	37.5	39.0	3.5/4.0	+12	1.5	+22	2.0	2.0	250	BC4
AFT-8461-XXF	4-8	6.5	7.0	7.5/8.0	+20	0.7	+29	2.0	2.0	125	BC2
AFT-8462-XXF	4-8	13.0	14.0	7.5/8.0	+20	1.0	+29	2.0	2.0	250	BC2
AFT-8463-XXF	4-8	24.0	25.0	5.0/5.5	+20	1.0	+29	2.0	2.0	300	BC4
AFT-8464-XXF	4-8	32.0	34.0	4.0/4.5	+20	1.5	+29	2.0	2.0	350	BC4

Notes:

1. Units contain internal voltage regulator and operate with input voltage of +12 to +15 Vdc.
2. For a description of all available product options, refer to the beginning of this subsection.