

Avantek Products

Wideband Small Signal Amplifiers 6.0 to 18.0 GHz

Technical Data

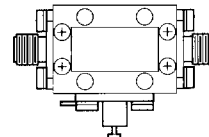
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AFT Series

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)		Input Power Current @ +12 V ¹ Typical (mA)	Case Type
								In	Out		
AFT-18631-XXF	6-18	7.0	7.5	6.4/6.7	+10	1.0	+20	2.0	2.0	75	BX2
AFT-18632-XXF	6-18	13.0	14.0	6.5/7.0	+10	1.0	+20	2.0	2.0	125	BX2
AFT-18633-XXF	6-18	18.5	20.0	6.5/7.0	+10	1.0	+20	2.0	2.0	175	BX4
AFT-18634-XXF	6-18	24.5	26.0	6.5/7.0	+10	1.5	+20	2.0	2.0	250	BX4
AFT-18635-XXF	6-18	30.0	32.0	6.5/7.0	+10	2.0	+20	2.0	2.0	300	BX6
AFT-18651-XXF	6-18	5.0	6.0	7.0/7.3	+15	1.0	+25	2.0	2.0	100	BX2
AFT-18652-XXF	6-18	11.0	12.0	7.0/7.3	+15	1.0	+25	2.0	2.0	165	BX2
AFT-18653-XXF	6-18	18.5	20.0	6.6/7.1	+15	1.0	+25	2.0	2.0	225	BX4
AFT-18654-XXF	6-18	24.5	26.0	6.6/7.1	+15	1.5	+25	2.0	2.0	275	BX4
AFT-18655-XXF	6-18	32.0	34.0	6.6/7.1	+15	2.0	+25	2.0	2.0	325	BX6
AFT-18662-XXF	6-18	9.5	10.5	8.7/9.2	+20	1.0	+29	2.0	2.0	325	BX2
AFT-18663-XXF	6-18	15.0	16.5	8.2/8.7	+20	1.0	+29	2.0	2.0	360	BX4
AFT-18664-XXF	6-18	23.0	24.5	6.6/7.1	+20	1.5	+29	2.0	2.0	425	BX4
AFT-18665-XXF	6-18	30.5	32.5	6.6/7.1	+20	2.0	+29	2.0	2.0	475	BX6

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.