

Avantek Products

Wideband Small Signal Amplifiers 0.5 to 2.0 GHz

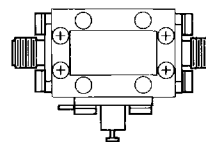
Technical Data

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-2031-XXF	0.5-2.0	10	10.5	3.3/3.5	+11	0.5	+21	2.0 2.0	60	BS2
AFT-2032-XXF	0.5-2.0	20	21.0	3.5/3.7	+13	0.7	+23	2.0 2.0	120	BS2
AFT-2033-XXF	0.5-2.0	30	32.0	3.5/3.7	+13	1.0	+23	2.0 2.0	180	BS4
AFT-2034-XXF	0.5-2.0	40	42.0	3.5/3.7	+13	1.5	+23	2.0 2.0	250	BS4
AFT-2061-XXF	0.5-2.0	10	10.5	4.5/5.0	+20	0.5	+29	2.0 2.0	180	BS2
AFT-2062-XXF	0.5-2.0	20	21.0	3.5/3.7	+20	0.7	+29	2.0 2.0	250	BS2
AFT-2063-XXF	0.5-2.0	30	32.0	3.5/3.7	+20	1.0	+29	2.0 2.0	300	BS4
AFT-2064-XXF	0.5-2.0	40	42.0	3.5/3.7	+20	1.5	+29	2.0 2.0	350	BS4

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.