

Avantek Products

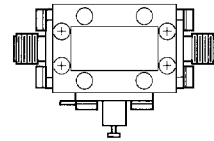
Wideband Small Signal Amplifiers 2.0 to 4.0 GHz

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)		Gain Flatness (±dB) Maximum	Typical Third Order Intercept Point (dBm)	VSWR (50 ohms) Maximum		Input Power Current @ +12 V ¹ Typical (mA)	Case Type
					Minimum	Maximum			In	Out		
AFT-4231-XXF	2-4	11.5	12.0	3.6/4.0	+13	1.0	+23	2.0	2.0	75	BS2	
AFT-4232-XXF	2-4	23.0	24.0	3.6/4.0	+13	1.0	+23	2.0	2.0	150	BS2	
AFT-4233-XXF	2-4	35.0	36.0	3.6/4.0	+13	1.0	+23	2.0	2.0	225	BS4	
AFT-4234-XXF	2-4	47.0	48.0	3.6/4.0	+13	1.5	+23	2.0	2.0	300	BS4	
AFT-4261-XXF	2-4	10.0	10.5	4.7/5.0	+20	1.0	+29	2.0	2.0	175	BS2	
AFT-4262-XXF	2-4	21.5	22.5	3.6/4.0	+20	1.0	+29	2.0	2.0	225	BS2	
AFT-4263-XXF	2-4	34.0	35.0	3.6/4.0	+20	1.0	+29	2.0	2.0	275	BS4	
AFT-4264-XXF	2-4	44.5	46.0	3.6/4.0	+20	1.5	+29	2.0	2.0	325	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.