Avantek Products

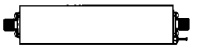
Wideband Small Signal Amplifiers 8.0 to 20.0 GHz

Technical Data

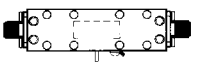
AMT and AWT Series

AMT, AWT —
High Performance and Temperature Compensated Connectorized Amplifier Series

Pin Configuration
IC_, IS_, IX_



MAC_, MAS_, MAX_ (3)



(See Section 5 for detailed case drawings.)

AMT Series[2]

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	VSWR (50 ohms) Maximum Out	Input Power Current @ +12 V[1] Typical (mA)	Case Type
AMT-20032	12-20	10	14	7.0	+17.0	1.0	+25	2.0	2.0	175	IX2
AMT-20033	12-20	15	20	7.0	+17.0	1.0	+25	2.0	2.0	250	IX4
AMT-20034	12-20	21	27	7.0	+17.0	1.5	+25	2.0	2.0	325	IX4
AMT-20035	12-20	26	33	7.0	+17.0	1.5	+25	2.0	2.0	400	IX6
AMT-20036	12-20	32	40	7.0	+17.0	2.0	+25	2.0	2.0	475	IX6

AWT Series[2]

Guaranteed Specifications @ 25°C Case Temperature

AWT-20832	8-20	10	14	8.0	+16.0	1.0	+24	2.0	2.0	175	IX2
AWT-20833	8-20	15	20	8.0	+16.0	1.0	+24	2.0	2.0	250	IX4
AWT-20834	8-20	21	27	8.0	+16.0	1.5	+24	2.0	2.0	325	IX4
AWT-20835	8-20	26	33	8.0	+16.0	1.5	+24	2.0	2.0	400	IX6
AWT-20836	8-20	32	40	8.0	+16.0	2.0	+24	2.0	2.0	485	IX6

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.
3. MA-Series case options available on selected amplifiers upon special request.