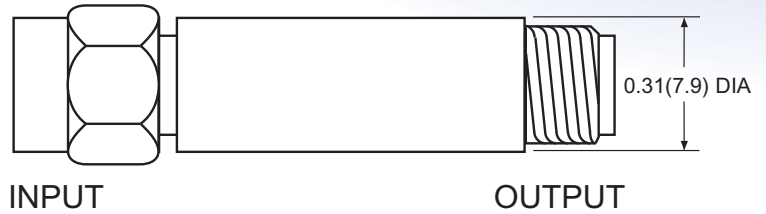


- 0.1 – 40.0 GHz
- Flat Response
- Low Rise Time
- High Temperature Stability
- Low Noise
- Low Output Resistance
- No Bias



General Specifications	
Impedance	50 ohms
Max. Input Power	50mW CW
Output Resistance	125 ohm typ.
Rise Time	< 5nsec typ.
Temp. Stability	+/-0.5dB typ.
Operating Temperature	-55+100C
Shock	50g, 11msec
Vibration	20g, 100-2000 Hz
Standard Output Polarity	Negative
Optional Output Polarity	Positive (suffix "P")
TSS Video Bandwidth	2MHz
TSS Amplifier NF	2dB
Specification Conditions	+25C, < -20dBm input power



Dimensions in inches (mm)

Model No	Frequency Range (GHz)	Sensitivity K (mV/mW) min.	TSS (dBm) min.	Flatness (+/-dB) max.	VSWR typ.	Output Capacitance (pF)	Input Conn.	Output Conn.	Overall Length ins (mm)
ATD-001005	0.1-0.5	1000	-51	0.75	2.0:1	200	SMA(M)	SMA(F)	1.16 (29.5)
ATD-001010	0.1-1.0	800	-50	0.75	2.0:1	200	SMA(M)	SMA(F)	1.16 (29.5)
ATD-005010	0.5-1.0	1000	-51	0.50	2.0:1	50	SMA(M)	SMA(F)	1.16 (29.5)
ATD-005020	0.5-2.0	800	-50	0.70	2.0:1	50	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010020	1.0-2.0	1000	-51	0.50	2.0:1	20	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010040	1.0-4.0	800	-50	0.70	2.5:1	20	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010080	1.0-8.0	800	-50	0.75	3.0:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010180	1.0-18.0	700	-50	1.00	3.5:1	20	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010265	1.0-26.5	400	-47	1.50	3.5:1	20	SMA(M)	SMA(F)	1.16 (29.5)
ATD-010400	1.0-40.0	250	-45	2.00	4.0:1	20	2.92mm(M)	SMA(F)	1.30 (33.0)
ATD-020040	2.0-4.0	1000	-51	0.50	2.0:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-020080	2.0-8.0	800	-50	0.75	3.0:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-020180	2.0-18.0	700	-50	1.00	3.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-020265	2.0-26.5	400	-47	1.50	3.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-020400	2.0-40.0	250	-45	2.00	4.0:1	10	2.92mm(M)	SMA(F)	1.30 (33.0)
ATD-040080	4.0-8.0	900	-51	0.60	2.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-070110	7.0-11.0	800	-50	0.50	2.0:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-080120	8.0-12.0	800	-50	0.50	2.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-080160	8.0-16.0	800	-50	0.70	2.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-120180	12.0-18.0	750	-50	0.70	2.5:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-180265	18.0-26.5	400	-47	1.00	3.0:1	10	SMA(M)	SMA(F)	1.16 (29.5)
ATD-180400	18.0-40.0	300	-46	1.75	4.0:1	10	2.92mm(M)	SMA(F)	1.30 (33.0)
ATD-260400	26.0-40.0	300	-46	1.50	4.0:1	10	2.92mm(M)	SMA(F)	1.30 (33.0)

Custom frequency ranges, specifications and configurations are also available.

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.