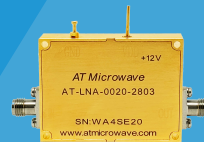


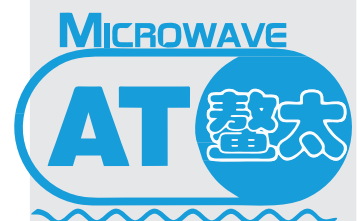
# COAXIAL MODULE

## 2025Q1 CATALOG

Shanghai AT Microwave Limited



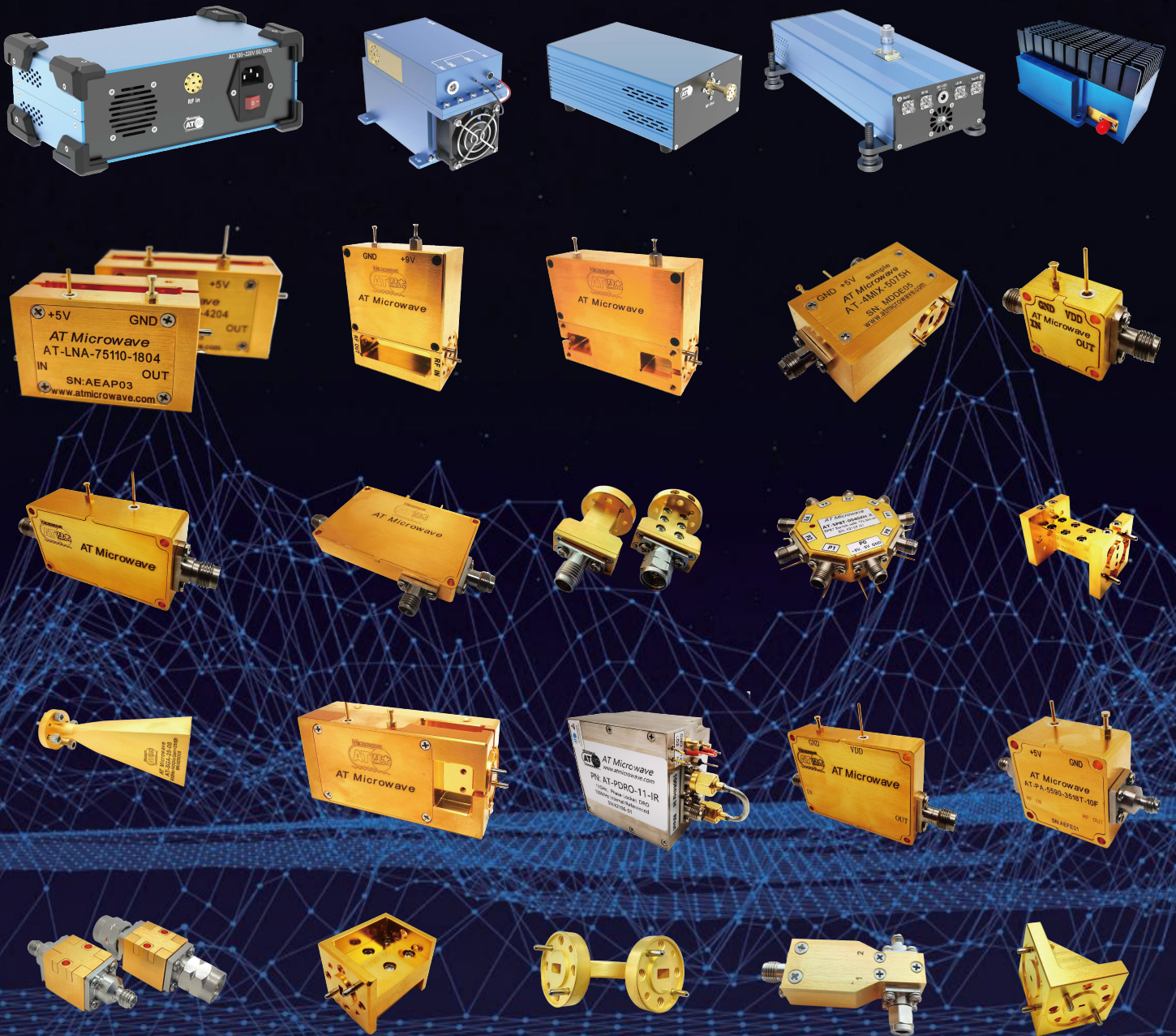
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# SHANGHAI AT MICROWAVE LIMITED

Shanghai AT Microwave Limited, basing on a beautiful City Shanghai, provides RF, Microwave and millimeter wave modules. The founders have over 20 years of experience designing, developing, manufacturing, marketing and providing innovative solution to the industry. The founders have successfully designed and managed multi-million dollar technical projects from concept to completion.

Our target is to be one of the best provider in the industry, high performance, high quality and low price at the same time. For the same performance, our price would be one third of traditional companies.



# Your Preferred Microwave/mmWave and THz Supplier From Module, Sub-system to Test Equipment DC-500GHz.

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We specialize in the development and production of cutting-edge millimeter-wave and terahertz products, with a frequency range covering DC to 500 GHz. Our products stand out in the market due to the following key advantages:

### HIGH FREQUENCY

Our products operate at extremely high frequencies, up to 500 GHz, enabling advanced applications in communication, imaging, and sensing technologies.

### HIGH PERFORMANCE

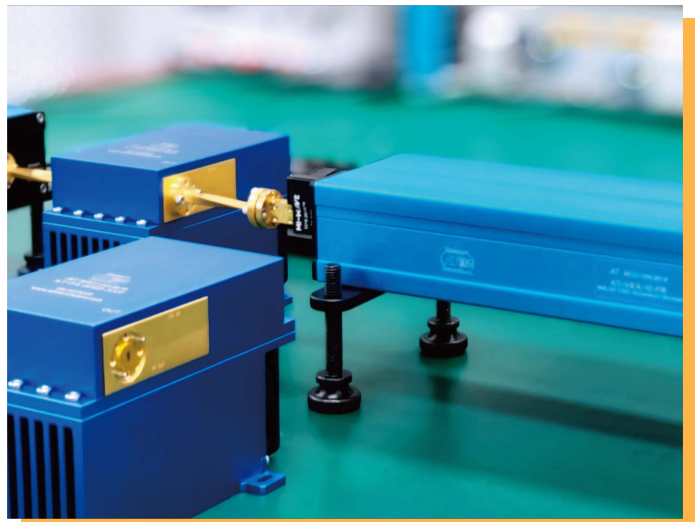
Designed with precision and innovation, our products deliver exceptional performance, ensuring reliability and accuracy in all kinds of demanding environments. All products are 100% RF test before shipment.

### COTS AND STOCK

We have thousands of COTS (Commercial off-the-Shelf) for customers to choose, and most of them are well-stocked, allowing us to offer quick turnaround times and meet the urgent needs of our customers.

### CUSTOMIZED AVAILABLE

We have produced thousands of mmWave and THz modules with good experience, so we can easily customize according to customers request without MOQ requirement.



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# Amplifier-LNA Module

## SMA LNA to 26.5GHz

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-LNA-0020-1503</a>	0.00005	20	15	3	15	16	12	SMA
<a href="#">AT-LNA-0020-2803</a>	0.00005	20	28	3	15	16	12	SMA
<a href="#">AT-LNA-0020-4303</a>	0.00005	20	43	3	15	16	12	SMA
<a href="#">AT-LNA-0003-2801</a>	0.1	3.5	28	1	18	19	5	SMA
<a href="#">AT-LNA-0003-5701</a>	0.1	3.5	57	1	17	18	5	SMA
<a href="#">AT-LNA-0008-1702</a>	0.1	8	17	2	16	18	5	SMA
<a href="#">AT-LNA-0008-3302</a>	0.1	8	33	2	17	18	5	SMA
<a href="#">AT-LNA-0002-1701</a>	0.3	2	17	1	15	16	5	SMA
<a href="#">AT-BB-0020-4529</a>	0.3	20	45	2.2	28	29	12	SMA
<a href="#">AT-LNA-0018-1225</a>	0.5	18	12	2.5	12	13	5	SMA
<a href="#">AT-LNA-0109-2501</a>	1	9	25	1	12	13	5	SMA
<a href="#">AT-LNA-0109-5001</a>	1	9	50	1	12	13	5	SMA
<a href="#">AT-LNA-0118-1302</a>	1	18	13	2	16	17	5	SMA
<a href="#">AT-LNA-0118-2702</a>	1	18	27	2	16	18	5	SMA
<a href="#">AT-LNA-0118-2702P22</a>	1	18	27	2	20	22	12	SMA
<a href="#">AT-LNA-0118-4002</a>	1	18	40	1.8	16	17	5	SMA
<a href="#">AT-LNA-0118-5502</a>	1	18	55	1.8	16	17	5	SMA
<a href="#">AT-LNA-0206-2501</a>	2	6	25	1	10	11	5	SMA
<a href="#">AT-LNA-0206-5001</a>	2	6	50	1	10	11	5	SMA
<a href="#">AT-LNA-0408-2501</a>	4	8	25	1	10	11	5	SMA
<a href="#">AT-LNA-0408-5001</a>	4	8	50	1	10	11	5	SMA
<a href="#">AT-LNA-0618-5025P29</a>	6	18	50	2.5	28	29	12	SMA
<a href="#">AT-LNA-0618-2215</a>	6	18	22	1.5	10	11	5	SMA
<a href="#">AT-LNA-0618-3515</a>	6	18	35	1.5	16	17	5	SMA
<a href="#">AT-LNA-0618-5515</a>	6	18	55	1.7	16	17	5	SMA
<a href="#">AT-LNA-1526-1502</a>	15	26.5	15	2	8	9	5	SMA
<a href="#">AT-LNA-1526-3002</a>	15	26.5	30	2	8	9	5	SMA
<a href="#">AT-LNA-1526-4502</a>	15	26.5	45	2	15	16	5	SMA
<a href="#">AT-LNA-1826-3518P20</a>	18	26.5	35	1.8	18	20	5	SMA
<a href="#">AT-LNA-1826-4003</a>	18	26.5	40	1.8	12	13	5	SMA

## 2.92mm LNA to 44GHz

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-LNA-0043-2304Y</a>	0.000075	43	23	4.5	13	14	5	2.92mm
<a href="#">AT-LNA-0043-3504Y</a>	0.000075	43	35	4.5	13	14	5	2.92mm
<a href="#">AT-LNA-0043-1204</a>	0.01	43	12	4.5	13	14	5	2.92mm
<a href="#">AT-LNA-0043-2304</a>	0.01	43	23	4.5	13	14	5	2.92mm
<a href="#">AT-LNA-0043-3504</a>	0.01	43	35	4.5	13	14	5	2.92mm
<a href="#">AT-LNA-0043-5004</a>	0.01	43	50	4.5	13	14	5	2.92mm
<a href="#">AT-BB-0043-2720</a>	0.01	43	27	4.5	20	22	9	2.92mm
<a href="#">AT-BB-0043-3820</a>	0.01	43	38	4.5	20	22	9	2.92mm
<a href="#">AT-BB-0043-5020</a>	0.01	43	50	4.5	18	20	9	2.92mm
<a href="#">AT-LNA-0027-4303</a>	0.1	27	43	3	13	14	12	2.92mm
<a href="#">AT-LNA-0027-4503P22</a>	0.1	27	45	3	20	22	12	2.92mm
<a href="#">AT-LNA-0243-1204</a>	2	43	12	4	15	16	5	2.92mm
<a href="#">AT-LNA-0243-2504</a>	2	43	25	4	15	16	5	2.92mm
<a href="#">AT-LNA-0243-4004</a>	2	43	40	4	15	16	5	2.92mm
<a href="#">AT-LNA-0243-5004</a>	2	43	50	4	15	16	5	2.92mm
<a href="#">AT-LNA-0243-2704P22</a>	2	43	27	4.5	20	22	12	2.92mm
<a href="#">AT-LNA-0243-4204P22</a>	2	43	42	4	20	22	12	2.92mm
<a href="#">AT-LNA-1743-2003</a>	17	43	20	3	12	13	5	2.92mm
<a href="#">AT-LNA-1743-4303</a>	17	43	43	3	12	13	5	2.92mm
<a href="#">AT-LNA-1832-2503</a>	18	32	25	3	10	11	5	2.92mm
<a href="#">AT-LNA-1832-4003</a>	18	32	40	3	10	11	5	2.92mm
<a href="#">AT-LNA-1840-3335</a>	18	40	33	3.5	10	11	5	2.92mm
<a href="#">AT-LNA-1840-4035</a>	18	40	40	3.5	16	18	5	2.92mm
<a href="#">AT-LNA-1840-5304</a>	18	40	53	4	16	18	5	2.92mm
<a href="#">AT-LNA-1840-6004P20</a>	18	40	60	4	20	22	5	2.92mm
<a href="#">AT-LNA-1844-1735</a>	18	44	17	3.5	13	14	5	2.92mm
<a href="#">AT-LNA-1844-4003</a>	18	44	40	3	13	14	5	2.92mm
<a href="#">AT-LNA-1844-3803P20</a>	18	44	38	3	20	22	5	2.92mm
<a href="#">AT-LNA-2232-2302</a>	22	32	23	2	3	4	5	2.92mm
<a href="#">AT-LNA-2232-4002P20</a>	22	32	40	2	20	22	5	2.92mm
<a href="#">AT-LNA-2244-2325</a>	22	44	23	2.5	6	8	5	2.92mm
<a href="#">AT-LNA-2244-3825</a>	22	44	38	2.5	10	11	5	2.92mm
<a href="#">AT-LNA-2244-4725</a>	22	44	47	2.5	3	4	5	2.92mm

## 2.4mm LNA to 50GHz

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-LNA-0050-2305Y</a>	0.000075	50	23	5	13	14	5	2.4mm
<a href="#">AT-LNA-0050-3505Y</a>	0.000075	50	35	5	13	14	5	2.4mm
<a href="#">AT-LNA-0050-1205</a>	0.01	50	12	5	13	14	5	2.4mm
<a href="#">AT-LNA-0050-2305</a>	0.01	50	23	5	13	14	5	2.4mm
<a href="#">AT-LNA-0050-3505</a>	0.01	50	35	5	13	14	5	2.4mm
<a href="#">AT-LNA-0050-5005</a>	0.01	50	50	5	13	14	5	2.4mm
<a href="#">AT-BB-0047-2720</a>	0.01	47	27	5	18	20	12	2.4mm
<a href="#">AT-BB-0050-3820</a>	0.01	50	38	5	18	20	12	2.4mm
<a href="#">AT-BB-0050-5020</a>	0.01	50	50	5	18	20	12	2.4mm
<a href="#">AT-LNA-0250-2505</a>	2	50	25	5	10	11	5	2.4mm
<a href="#">AT-LNA-0250-3805</a>	2	50	38	5	10	11	5	2.4mm
<a href="#">AT-LNA-0250-5005</a>	2	50	50	5	10	11	5	2.4mm
<a href="#">AT-LNA-1550-4505</a>	15	50	45	5	10	11	5	2.4mm
<a href="#">AT-LNA-1850-3005P15</a>	18	50	30	5	14	15	5	2.4mm
<a href="#">AT-LNA-2244-2325</a>	22	44	23	2.5	6	7	5	2.4mm
<a href="#">AT-LNA-2244-3825</a>	22	44	38	2.5	10	11	5	2.4mm
<a href="#">AT-LNA-2244-4025P20</a>	22	44	40	2.5	18	20	12	2.4mm
<a href="#">AT-LNA-2244-4525P23</a>	22	44	45	2.5	22	23	5	2.4mm
<a href="#">AT-LNA-3050-2328</a>	30	50	23	2.8	5	6	5	2.4mm
<a href="#">AT-LNA-3050-3828</a>	30	50	38	2.8	12	13	5	2.4mm
<a href="#">AT-LNA-3050-4528P23</a>	30	50	45	2.8	22	23	5	2.4mm

## 1.85mm LNA to 70GHz

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-BBLF-0067-1815D</a>	0.00005	67	18	7	13	15	8	1.85mm
<a href="#">AT-BBLF-0067-2815D</a>	0.00005	67	28	7	13	15	8	1.85mm
<a href="#">AT-BB-0070-1815</a>	0.01	70	18	7	13	15	8	1.85mm
<a href="#">AT-BB-0070-3015</a>	0.01	70	30	7	13	15	8	1.85mm
<a href="#">AT-BB-0070-5015</a>	0.01	70	50	7	13	15	8	1.85mm
<a href="#">AT-BB-0070-4015</a>	0.01	70	40	7	13	15	8	1.85mm
<a href="#">AT-BB-0367-1815</a>	3	67	18	7	13	15	8	1.85mm
<a href="#">AT-BB-0367-3015</a>	3	67	30	7	13	15	8	1.85mm
<a href="#">AT-BB-0367-4015</a>	3	67	40	7	13	15	8	1.85mm
<a href="#">AT-BB-0367-5015</a>	3	67	50	7	13	15	8	1.85mm
<a href="#">AT-LNA-4067-2503V</a>	40	67	25	3	-3	0	5	1.85mm
<a href="#">AT-PA-3767-3320V</a>	37	67	33	5	18	20	5	1.85mm
<a href="#">AT-LNA-4067-3305V</a>	40	67	33	5	13	14	5	1.85mm
<a href="#">AT-LNA-4060-3803V</a>	40	60	38	3	3	4	5	1.85mm
<a href="#">AT-PA-4060-3820V</a>	40	60	38	5	18	20	5	1.85mm
<a href="#">AT-PA-5070-3020V</a>	50	70	30	5	18	20	5	1.85mm
<a href="#">AT-LNA-5566-1506V</a>	55	66	15	6	8	9	5	1.85mm
<a href="#">AT-LNA-5566-3506V</a>	55	66	35	6	8	9	5	1.85mm



## 1.0mm LNA to 110GHz

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-BBLF-100GA</a>	0.00005	100	8	6	8	10	5	1.0mm
<a href="#">AT-BBLF-100GB</a>	0.00005	100	13	6	8	10	5	1.0mm
<a href="#">AT-LNA-4575-1604-10F</a>	45	75	16	4	-3	0	5	1.0mm
<a href="#">AT-PA-4575-3515-10F</a>	45	75	35	4	13	15	5	1.0mm
<a href="#">AT-LNA-5590-1506-10F</a>	55	90	15	6	7	8	5	1.0mm
<a href="#">AT-PA-5590-3518-10F</a>	55	90	35	6	16	18	5	1.0mm

## Amplifier-PA Module

## Coaxial PA Module

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Idd (A)	Connector
<a href="#">AT-PA-0218-2327</a>	2	18	23	25	27	10	0.25	SMA
<a href="#">AT-HPA-0227-3334</a>	2	27	33	-	34	20	1.3	SMA
<a href="#">AT-HPA-0227-4534</a>	2	27	45	-	34	20	1.3	SMA
<a href="#">AT-PA-0618-1823</a>	6	18	18	22	23	5	0.25	SMA
<a href="#">AT-PA-0618-4530</a>	6	18	45	29	30	12	0.95	SMA
<a href="#">AT-PA-0618-2230</a>	6	18	22	29	30	12	0.9	SMA
<a href="#">AT-PA-0618-3327</a>	6	18	33	25	27	12	0.35	SMA
<a href="#">AT-PA-0618-3827</a>	6	18	38	25	27	12	0.35	SMA
<a href="#">AT-PA-0618-4323</a>	6	18	43	22	23	5	0.35	SMA
<a href="#">AT-PA-0620-1318</a>	6	20	13	17	18	5	0.13	SMA
<a href="#">AT-PA-0626-2217</a>	6	26.5	22	15	17	5	0.13	SMA
<a href="#">AT-PA-1743-3028</a>	17	43	30	27	28	12	0.9	2.92mm
<a href="#">AT-PA-1743-4028</a>	17	43	40	27	28	12	0.9	2.92mm
<a href="#">AT-PA-1829-2728</a>	18	29	27	27	28	8	0.83	2.92mm
<a href="#">AT-PA-1829-3532</a>	18	29	35	30	32	12	1.1	2.92mm
<a href="#">AT-PA-1840-1820</a>	18	40	18	19	20	8	0.2	2.92mm
<a href="#">AT-PA-1840-3020</a>	18	40	30	19	20	8	0.35	2.92mm
<a href="#">AT-PA-1840-3330</a>	18	40	33	28	30	22	0.65	2.92mm
<a href="#">AT-PA-1852-3328</a>	18	52	33	26	28	12	1.3	2.4mm
<a href="#">AT-PA-1852-5028</a>	18	52	33	26	28	12	1.4	2.4mm
<a href="#">AT-PA-2040-3023</a>	20	40	30	20	23	8	0.65	2.92mm
<a href="#">AT-PA-2050-2023</a>	20	50	20	20	23	5	0.65	2.4mm
<a href="#">AT-PA-2050-3523</a>	20	50	35	20	23	5	0.8	2.4mm
<a href="#">AT-PA-2634-2332</a>	26	34	23	30	32	12	0.9	2.92mm
<a href="#">AT-PA-2634-3532</a>	26	34	35	30	32	12	0.9	2.92mm
<a href="#">AT-PA-3038-3326</a>	30	38	33	25	26	6	0.85	2.92mm
<a href="#">AT-PA-3560-3032V</a>	35	60	30	-	32	20	2	1.85mm
<a href="#">AT-PA-3564-3524V</a>	35	64	34	-	24	12	0.5	1.85mm
<a href="#">AT-PA-3767-3320V</a>	37	67	33	18	20	5	0.5	1.85mm
<a href="#">AT-PA-4060-3820V</a>	40	60	38	-	20	5	0.45	1.85mm
<a href="#">AT-PA-4067-3932V</a>	40	67	39	-	32	17	1.5	1.85mm

## Coaxial PA Module (cont.)

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Idd (A)	Connector
<a href="#">AT-PA-4067-3334V</a>	40	67	33	-	34	20	2.5	1.85mm
<a href="#">AT-PA-4067-3934V</a>	40	67	39	-	34	20	2.8	1.85mm
<a href="#">AT-PA-5067-3534V</a>	50	67	35	-	34	20	2.8	1.85mm
<a href="#">AT-PA-5070-3020V</a>	50	70	30	18	20	5	0.5	1.85mm
<a href="#">AT-PA-5565-2732V</a>	55	66	27	28	32	20	2.8	1.85mm
<a href="#">AT-PA-5566-1522V</a>	55	66	15	20	22	5	0.55	1.85mm
<a href="#">AT-PA-5766-2326V</a>	57	66	23	24	26	5	2.2	1.85mm
<a href="#">AT-PA-5565-3732V</a>	55	66	37	28	32	20	2.8	1.85mm
<a href="#">AT-PA-5566-1520V</a>	55	66	15	18	20	5	0.3	1.85mm

## BB Series: Broadband Amplifier

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Idd (A)	Connector
<a href="#">AT-BB-0026-1325</a>	0.01	26.5	13	23	25	12	0.23	SMA
<a href="#">AT-BB-0026-3025</a>	0.01	26.5	30	23	25	12	0.28	SMA
<a href="#">AT-BB-0043-1520</a>	0.01	43	15	18	20	9	0.25	2.92mm
<a href="#">AT-BB-0043-2720</a>	0.01	43	27	20	22	9	0.33	2.92mm
<a href="#">AT-BB-0043-3820</a>	0.01	43	38	20	22	9	0.35	2.92mm
<a href="#">AT-BB-0043-5020</a>	0.01	43	50	20	22	9	0.45	2.92mm
<a href="#">AT-BB-0047-1520</a>	0.01	47	15	18	20	9	0.23	2.4mm
<a href="#">AT-BB-0047-2720</a>	0.01	47	27	20	22	9	0.33	2.4mm
<a href="#">AT-BB-0050-3820</a>	0.01	50	38	20	22	9	0.35	2.4mm
<a href="#">AT-BB-0050-5020</a>	0.01	50	50	20	22	9	0.45	2.4mm
<a href="#">AT-BB-0070-1815</a>	0.01	70	18	15	17	8	0.2	1.85mm
<a href="#">AT-BB-0070-3015</a>	0.01	70	30	15	17	8	0.3	1.85mm
<a href="#">AT-BB-0070-4015</a>	0.01	70	40	15	17	8	0.35	1.85mm
<a href="#">AT-BB-0070-5015</a>	0.01	70	50	15	17	8	0.45	1.85mm
<a href="#">AT-BB-0012-2730</a>	0.1	12	27	29	30	12	0.6	SMA
<a href="#">AT-BB-0012-4230</a>	0.1	12	42	29	30	12	0.6	SMA
<a href="#">AT-BB-0022-2730</a>	0.1	22	27	29	30	16	0.9	SMA
<a href="#">AT-BB-0022-4030</a>	0.1	22	40	29	30	16	0.9	SMA
<a href="#">AT-BB-0020-4529</a>	0.3	20	45	27	29	12	0.75	SMA
<a href="#">AT-BB-0367-1815</a>	3	67	18	15	17	8	0.2	1.85mm
<a href="#">AT-BB-0367-3015</a>	3	67	30	15	17	8	0.3	1.85mm
<a href="#">AT-BB-0367-4015</a>	3	67	40	15	17	8	0.4	1.85mm

## BBLF Series: Optical Modulator Driver

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Connector
<a href="#">AT-BBLF-0020-1415A</a>	0.00003	20	14	13	+15/3.56Vpp	9	2.92mm
<a href="#">AT-BBLF-0020-1522A</a>	0.00003	20	15	20	+22/7.96Vpp	8	2.92mm
<a href="#">AT-BBLF-0020-3022B</a>	0.00003	20	30	20	+22/7.96Vpp	9	2.92mm
<a href="#">AT-BBLF-0043-1520D</a>	0.00005	43	15	19	+20/6.32Vpp	8	2.92mm
<a href="#">AT-BBLF-0043-2720D</a>	0.00005	43	27	19	+20/6.32Vpp	8	2.92mm
<a href="#">AT-BBLF-0047-1520D</a>	0.00005	47	15	19	+20/6.32Vpp	8	2.4mm
<a href="#">AT-BBLF-0047-2720D</a>	0.00005	47	27	19	+20/6.32Vpp	8	2.4mm
<a href="#">AT-BBLF-0050-2315D</a>	0.00005	50	23	13	+15/3.56Vpp	8	1.85mm
<a href="#">AT-BBLF-0067-1815D</a>	0.00005	67	18	13	+15/3.56Vpp	8	1.85mm
<a href="#">AT-BBLF-0067-2815D</a>	0.00005	67	28	13	+15/3.56Vpp	8	1.85mm
<a href="#">AT-FA0055A</a>	0.00003	55	10	6	+8/1.59Vpp	8	1.85mm
<a href="#">AT-BBLF-100GA</a>	0.00005	100	8	8	+10/2.0Vpp	5	1.0mm
<a href="#">AT-BBLF-100GB</a>	0.00005	100	13	8	+10/2.0Vpp	5	1.0mm

## 1.0mm PA Module

PN	Low Freq (GHz)	High Freq (GHz)	Gain (dB)	P1dB (dBm)	Psat (dBm)	Vdd (V)	Idd (V)	Connector
<a href="#">AT-PA-4090-1515-10F</a>	40	90	15	13	15	5	300	1.0mm
<a href="#">AT-PA-4575-3515-10F</a>	45	75	35	13	15	5	340	1.0mm
<a href="#">AT-PA-5590-1518-10F</a>	55	90	15	17	18	5	350	1.0mm
<a href="#">AT-PA-5590-3518-10F</a>	55	90	35	17	18	5	450	1.0mm

## Frequency Multiplier Module

### X2 Active Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-AM2-0618-15L</a>	X2	3	6	18	15	SMA
<a href="#">AT-AM2-0618-20L</a>	X2	3	6	18	20	SMA
<a href="#">AT-AM2-0826-13L</a>	X2	3	8	26	13	SMA
<a href="#">AT-AM2-1830-16L</a>	X2	3	18	30	16	2.92mm
<a href="#">AT-AM2-1830-28L</a>	X2	3	18	30	28	2.92mm
<a href="#">AT-AM2-1840-12L</a>	X2	3	18	40	12	2.92mm
<a href="#">AT-AM2-1840-12</a>	X2	13	18	40	12	2.92mm
<a href="#">AT-AM2-1844-18L</a>	X2	3	18	44	18	2.92mm
<a href="#">AT-AM2-1844-18</a>	X2	13	18	44	18	2.92mm
<a href="#">AT-AM2-1844-28L</a>	X2	3	18	44	28	2.92mm
<a href="#">AT-AM2-1850-28L</a>	X2	3	18	50	28	2.4mm
<a href="#">AT-AM2-1850-15L</a>	X2	3	18	50	15	2.4mm
<a href="#">AT-AM2-1850-15</a>	X2	13	18	50	15	2.4mm
<a href="#">AT-AM2-2050-22L</a>	X2	3	20	50	22	2.4mm
<a href="#">AT-AM2-2050-22</a>	X2	13	20	50	22	2.4mm
<a href="#">AT-AM2-2244-15L</a>	X2	3	22	44	15	2.92mm
<a href="#">AT-AM2-2244-28L</a>	X2	3	22	44	28	2.92mm
<a href="#">AT-AM2-3765-18L</a>	X2	3	37	65	18	1.85mm
<a href="#">AT-AM2-3765-18</a>	X2	13	35	67	18	1.85mm

### X3 Active Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-AM3-0918-15L</a>	X3	0	9	18	15	SMA
<a href="#">AT-AM3-0918-23L</a>	X3	0	9	18	23	SMA
<a href="#">AT-AM3-1840M-10L</a>	X3	3	18	40	10	2.92mm
<a href="#">AT-AM3-1844M-13L</a>	X3	3	18	44	13	2.92mm
<a href="#">AT-AM3-1844M-18L</a>	X3	3	18	44	18	2.92mm
<a href="#">AT-AM3-2040-13L</a>	X3	0	20	40	13	2.92mm
<a href="#">AT-AM3-2044-18L</a>	X3	0	20	44	18	2.92mm
<a href="#">AT-AM3-3050-15L</a>	X3	3	30	50	15	2.4mm
<a href="#">AT-AM3-3050-20L</a>	X3	3	30	50	20	2.4mm

### X4 Active Multiplier

PN	Multiplier Factor	Input Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-AM4-0618-13L</a>	X4	3	16	44	13	SMA
<a href="#">AT-AM4-0618-20L</a>	X4	3	16	44	20	SMA
<a href="#">AT-AM4-1840-12L</a>	X4	3	18	40	12	2.92mm
<a href="#">AT-AM4-1840-12</a>	X4	13	18	40	12	2.92mm
<a href="#">AT-AM4-1844-18L</a>	X4	3	18	44	18	2.92mm
<a href="#">AT-AM4-1844-18</a>	X4	13	18	44	18	2.92mm
<a href="#">AT-AM4-1844-28L</a>	X4	3	18	44	28	2.92mm
<a href="#">AT-AM4-1850-15L</a>	X4	3	18	50	15	2.4mm
<a href="#">AT-AM4-1850-28L</a>	X4	3	18	50	28	2.4mm
<a href="#">AT-AM4-1850-15</a>	X4	13	18	50	15	2.4mm
<a href="#">AT-AM4-2050-22L</a>	X4	3	20	50	22	2.4mm
<a href="#">AT-AM4-2050-22</a>	X4	13	20	50	22	2.4mm
<a href="#">AT-AM4-3765-18L</a>	X4	3	37	65	18	1.85mm
<a href="#">AT-AM4-3765-18</a>	X4	13	37	65	18	1.85mm
<a href="#">AT-AM4-4060-10V</a>	X4	13	40	60	10	1.85mm

### X6 Active Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-AM6-5766-13VL</a>	X6	3	57	66	13	1.85mm
<a href="#">AT-AM6-5766-23VL</a>	X6	3	57	66	23	1.85mm
<a href="#">AT-AM6-5766-26VL</a>	X6	3	57	66	26	1.85mm

### Passive Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-PM2-1030B</a>	X2	15	10	30	3	2.92mm
<a href="#">AT-PM2-1844B</a>	X2	13	18	44	3	2.92mm
<a href="#">AT-PM2-1852B</a>	X2	13	18	52	3	2.4mm
<a href="#">AT-PM2-3567A</a>	X2	13	35	67	0	1.85mm
<a href="#">AT-PM3-3052</a>	X3	15	30	52	-3	2.4mm
<a href="#">AT-PM2-3580-10F</a>	X2	17	40	90	3	1.0mm

## Comb Generator

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
<a href="#">AT-FCG-40S</a>	xN	18	0.03	40	-20	2.92
<a href="#">AT-OCG-30S</a>	xN	18	0.03	30	-20	2.92

## Adapter

### In-series

PN	Type	Low Fre (GHz)	High Fre (GHz)	Connector #1	Connector #2	IL (dB)	VSWR
<a href="#">AT-AP-TNCXTNCX</a>	Coaxial-In	0	11	TNC	TNC	0.15	1.15
<a href="#">AT-AP-NXNX</a>	Coaxial-In	0	18	N	N	0.2	1.15
<a href="#">AT-AP-SXSX</a>	Coaxial-In	0	26.5	SMA	SMA	0.2	1.15
<a href="#">AT-AP-SFSF-FL</a>	Coaxial-In	0	26.5	SMA	SMA	0.5	1.2
<a href="#">AT-AP-SXSX-RA</a>	Coaxial-In	0	26.5	SMA	SMA	1	1.25
<a href="#">AT-AP-35X35X</a>	Coaxial-In	0	32	3.5mm	3.5mm	0.2	1.2
<a href="#">AT-AP-29X29X</a>	Coaxial-In	0	40	2.92mm	2.92mm	0.3	1.2
<a href="#">AT-AP-29F29F-FL</a>	Coaxial-In	0	40	2.92mm	2.92mm	0.5	1.2
<a href="#">AT-AP-29X29X-RA</a>	Coaxial-In	0	40	2.92mm	2.92mm	1	1.25
<a href="#">AT-AP-24X24X</a>	Coaxial-In	0	50	2.4mm	2.4mm	0.4	1.25
<a href="#">AT-AP-24X24X-RA</a>	Coaxial-In	0	50	2.4mm	2.4mm	1	1.3
<a href="#">AT-AP-24F24F-FL</a>	Coaxial-In	0	50	2.4mm	2.4mm	0.5	1.25
<a href="#">AT-AP-18X18X</a>	Coaxial-In	0	67	1.85mm	1.85mm	0.6	1.3
<a href="#">AT-AP-18F18F-FL</a>	Coaxial-In	0	67	1.85mm	1.85mm	1	1.3
<a href="#">AT-AP-13X13X</a>	Coaxial-In	0	90	1.35mm	1.35mm	1	1.4
<a href="#">AT-AP-10X10X</a>	Coaxial-In	0	110	1.0mm	1.0mm	1	1.4

### Between-Series

PN	Type	Low Fre (GHz)	High Fre (GHz)	Connector #1	Connector #2	IL (dB)	VSWR
<a href="#">AT-AP-SXBX</a>	Coaxial-Between	0	2	SMA	BNC	0.15	1.15
<a href="#">AT-AP-NXSX</a>	Coaxial-Between	0	18	N	SMA	0.15	1.15
<a href="#">AT-AP-29XSX</a>	Coaxial-Between	0	18	2.9mm	SMA	0.2	1.2
<a href="#">AT-AP-24XSX</a>	Coaxial-Between	0	18	2.4mm	SMA	0.2	1.2
<a href="#">AT-AP-29X35X</a>	Coaxial-Between	0	32	2.9mm	3.5mm	0.2	1.2
<a href="#">AT-AP-24X35X</a>	Coaxial-Between	0	32	2.4mm	3.5mm	0.2	1.2
<a href="#">AT-AP-18X35X</a>	Coaxial-Between	0	32	1.85mm	3.5mm	0.3	1.2
<a href="#">AT-AP-24X29X</a>	Coaxial-Between	0	40	2.4mm	2.92mm	0.2	1.2
<a href="#">AT-AP-18X29X</a>	Coaxial-Between	0	40	1.85mm	2.92mm	0.35	1.25
<a href="#">AT-AP-18X24X</a>	Coaxial-Between	0	50	1.85mm	2.4mm	0.4	1.3
<a href="#">AT-AP-10X24X</a>	Coaxial-Between	0	50	1.0mm	2.4mm	0.6	1.35
<a href="#">AT-AP-13X18X</a>	Coaxial-Between	0	67	1.35mm	1.85mm	0.6	1.35
<a href="#">AT-AP-10X18X</a>	Coaxial-Between	0	67	1.0mm	1.85mm	0.6	1.35
<a href="#">AT-AP-10X13X</a>	Coaxial-Between	0	90	1.0mm	1.35mm	0.6	1.35

# Attenuator

## Fixed Attenuator

PN	Type	Freq Low (GHz)	Freq High (GHz)	Return Loss (dB)	ATT (dB)	Power Rating	Connector
<a href="#">AT-FAT-03-27</a>	Fixed	0	27	-10	3	2W	SMA
<a href="#">AT-FAT-06-27</a>	Fixed	0	27	-10	6	2W	SMA
<a href="#">AT-FAT-10-27</a>	Fixed	0	27	-10	10	2W	SMA
<a href="#">AT-FAT-20-27</a>	Fixed	0	27	-10	20	2W	SMA
<a href="#">AT-FAT-30-27</a>	Fixed	0	27	-10	30	2W	SMA
<a href="#">AT-FAT-03-40</a>	Fixed	0	40	-10	3	2W	2.92mm
<a href="#">AT-FAT-06-40</a>	Fixed	0	40	-10	6	2W	2.92mm
<a href="#">AT-FAT-10-40</a>	Fixed	0	40	-10	10	2W	2.92mm
<a href="#">AT-FAT-20-40</a>	Fixed	0	40	-10	20	2W	2.92mm
<a href="#">AT-FAT-30-40</a>	Fixed	0	40	-10	30	2W	2.92mm
<a href="#">AT-FAT-03-50</a>	Fixed	0	50	-10	3	2W	2.4mm
<a href="#">AT-FAT-06-50</a>	Fixed	0	50	-10	6	1W	2.4mm
<a href="#">AT-FAT-10-50</a>	Fixed	0	50	-10	10	1W	2.4mm
<a href="#">AT-FAT-20-50</a>	Fixed	0	50	-10	20	1W	2.4mm
<a href="#">AT-FAT-30-50</a>	Fixed	0	50	-10	30	1W	2.4mm
<a href="#">AT-FAT-03-67A</a>	Fixed	0	67	-10	3	2W	1.85mm
<a href="#">AT-FAT-06-67A</a>	Fixed	0	67	-10	6	2W	1.85mm
<a href="#">AT-FAT-10-67A</a>	Fixed	0	67	-10	10	1W	1.85mm
<a href="#">AT-FAT-20-67A</a>	Fixed	0	67	-10	20	1W	1.85mm
<a href="#">AT-FAT-30-67A</a>	Fixed	0	67	-10	30	1W	1.85mm

## MMIC-Based Fixed Attenuator

PN	Type	Freq Low (GHz)	Freq High (GHz)	Return Loss (dB)	ATT (dB)	Power Rating	Connector
<a href="#">AT-MFAT03-29</a>	Fixed	0	40	-10	3	2W	2.92mm
<a href="#">AT-MFAT06-29</a>	Fixed	0	40	-10	6	2W	2.92mm
<a href="#">AT-MFAT10-29</a>	Fixed	0	40	-10	10	2W	2.92mm
<a href="#">AT-MFAT20-29</a>	Fixed	0	40	-10	20	2W	2.92mm
<a href="#">AT-MFAT30-29</a>	Fixed	0	40	-10	30	0.5W	2.92mm
<a href="#">AT-MFAT03-24</a>	Fixed	0	50	-10	3	2W	2.4mm
<a href="#">AT-MFAT06-24</a>	Fixed	0	50	-10	6	2W	2.4mm
<a href="#">AT-MFAT10-24</a>	Fixed	0	50	-10	10	2W	2.4mm
<a href="#">AT-MFAT20-24</a>	Fixed	0	50	-10	20	2W	2.4mm
<a href="#">AT-MFAT30-24</a>	Fixed	0	50	-10	30	0.5W	2.4mm
<a href="#">AT-MFAT03-18</a>	Fixed	0	65	-10	3	2W	1.85mm
<a href="#">AT-MFAT06-18</a>	Fixed	0	65	-10	6	2W	1.85mm
<a href="#">AT-MFAT10-18</a>	Fixed	0	65	-10	10	0.5W	1.85mm
<a href="#">AT-MFAT20-18</a>	Fixed	0	65	-10	20	0.5W	1.85mm
<a href="#">AT-MFAT30-18</a>	Fixed	0	65	-10	30	0.5W	1.85mm
<a href="#">AT-MFAT03-10</a>	Fixed	0	110	-10	3	2W	1.0mm
<a href="#">AT-MFAT06-10</a>	Fixed	0	110	-10	6	2W	1.0mm
<a href="#">AT-MFAT10-10</a>	Fixed	0	110	-10	10	2W	1.0mm
<a href="#">AT-MFAT20-10</a>	Fixed	0	110	-10	20	2W	1.0mm

## MMIC-Based Fixed Attenuator (cont.)

PN	Type	Freq Low (GHz)	Freq High (GHz)	Return Loss (dB)	ATT (dB)	Power Rating	Connector
<a href="#">AT-MFAT30-10</a>	Fixed	0	110	-10	30	2W	1.0mm
<a href="#">AT-MFAT03-1029</a>	Fixed	0	40	-10	3	0.5W	1.0mm
<a href="#">AT-MFAT06-1029</a>	Fixed	0	40	-10	3	0.5W	1.0mm
<a href="#">AT-MFAT10-1029</a>	Fixed	0	40	-10	10	0.5W	1.0mm
<a href="#">AT-MFAT20-1029</a>	Fixed	0	40	-10	20	0.5W	1.0mm
<a href="#">AT-MFAT30-1029</a>	Fixed	0	40	-10	30	0.5W	1.0mm
<a href="#">AT-MFAT03-1024</a>	Fixed	0	50	-10	3	0.5W	1.0mm
<a href="#">AT-MFAT06-1024</a>	Fixed	0	50	-10	10	0.5W	1.0mm
<a href="#">AT-MFAT10-1024</a>	Fixed	0	50	-10	10	0.5W	1.0mm
<a href="#">AT-MFAT20-1024</a>	Fixed	0	50	-10	20	0.5W	1.0mm
<a href="#">AT-MFAT30-1024</a>	Fixed	0	50	-10	30	0.5W	1.0mm
<a href="#">AT-MFAT03-1018</a>	Fixed	0	67	-10	3	0.5W	1.0mm
<a href="#">AT-MFAT06-1018</a>	Fixed	0	67	-10	6	0.5W	1.0mm
<a href="#">AT-MFAT10-1018</a>	Fixed	0	67	-10	10	0.5W	1.0mm
<a href="#">AT-MFAT20-1018</a>	Fixed	0	67	-10	20	0.5W	1.0mm
<a href="#">AT-MFAT30-1018</a>	Fixed	0	67	-10	30	0.5W	1.0mm

## Analog Variable Attenuator

PN	Type	Freq Low (GHz)	Freq High (GHz)	ATT (dB)	Control	Power /Rating	Connector
<a href="#">AT-VVA-0526A-25</a>	Analog	5	26.5	0-25	-4 to 0V	0.2W	SMA
<a href="#">AT-VVA-0526A-50</a>	Analog	5	26.5	0-50	-4 to 0V	0.2W	SMA
<a href="#">AT-VVA-2050A-35</a>	Analog	20	50	0-35	-4 to 0V	0.2W	2.4mm
<a href="#">AT-VVA-3067G-20</a>	Analog	30	67	0-20	-1.2 to 0V	0.2W	1.85mm
<a href="#">AT-VVA-3067G-35</a>	Analog	30	67	0-35	-1.2 to 0V	0.2W	1.85mm

## Digital Control Attenuator

PN	Type	Freq Low (GHz)	Freq High (GHz)	ATT (dB)	Control	Power /Rating	Connector
<a href="#">AT-5DAT-0040SN-30</a>	Digital	0.01	40	0-31	5Bit, 1dB LSB	0.2W	2.92mm
<a href="#">AT-6DAT-0040SN-60</a>	Digital	0.01	40	0-62	6Bit, 1dB LSB	0.2W	2.92mm
<a href="#">AT-3DAT-0040SN-30</a>	Digital	0.01	40	0-30	3Bit, 10dB LSB	0.2W	2.92mm
<a href="#">AT-4DAT-0040SN-60</a>	Digital	0.01	40	0-60	4Bit, 10dB LSB	0.2W	2.92mm
<a href="#">AT-5DAT-0040SN-90</a>	Digital	0.01	40	0-90	5Bit, 10dB LSB	0.2W	2.92mm

## Bias Tee

PN	Type	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Voltage (V)	Current (A)	Connector
<a href="#">AT-BTL-0018HC1</a>	High Current	0.0001	18	-1.2	50	1	SMA
<a href="#">AT-BTL-0018HC2</a>	High Current	0.0001	18	-1.5	50	2	SMA
<a href="#">AT-BTL-0040LF</a>	Broadband	0.000009	40	-1.5	25	0.7	2.92mm
<a href="#">AT-BTL-0040HC</a>	Broadband	0.00003	40	-1.5	25	0.75	2.92mm
<a href="#">AT-BTL-0050HC</a>	Broadband	0.00003	50	-2	25	0.75	2.4mm
<a href="#">AT-BTL-0065LF</a>	Broadband	0.000009	65	-2	16	0.25	1.85mm
<a href="#">AT-BTL-0070HC</a>	Broadband	0.00003	70	-2	25	0.5	1.85mm
<a href="#">AT-BTL-110L1</a>	Broadband	0.0003	110	-3.5	25	0.25	1.0mm
<a href="#">AT-DF-110L1</a>	Broadband	0.000009	110	-3.5	25	0.25	1.0mm

## Coupler

### Directional Coupler

PN	Type	Coupling (dB)	Freq low (GHz)	Freq High (GHz)	Directivity (dB)	Power Rating	Connector
<a href="#">AT-C10-0R406</a>	Directional	10dB	0.4	6	14	20W	SMA
<a href="#">AT-C20-0R406</a>	Directional	20dB	0.4	6	14	20W	SMA
<a href="#">AT-C30-0R406</a>	Directional	30dB	0.4	6	14	20W	SMA
<a href="#">AT-C10-0R508</a>	Directional	10dB	0.5	8	14	20W	SMA
<a href="#">AT-C20-0R508</a>	Directional	20dB	0.5	8	14	20W	SMA
<a href="#">AT-C10-0R518</a>	Directional	10dB	0.5	18	14	20W	SMA
<a href="#">AT-C20-0R518</a>	Directional	20dB	0.5	18	14	20W	SMA
<a href="#">AT-C30-0118</a>	Directional	30dB	1	18	12	20W	SMA
<a href="#">AT-C30-0218</a>	Directional	30dB	2	18	12	20W	SMA
<a href="#">AT-C10-0218</a>	Directional	10dB	2	18	14	20W	SMA
<a href="#">AT-C20-0218</a>	Directional	20dB	2	18	14	20W	SMA
<a href="#">AT-C10-0618</a>	Directional	10dB	6	18	14	20W	SMA
<a href="#">AT-C20-0618</a>	Directional	20dB	6	18	14	20W	SMA
<a href="#">AT-C30-0618</a>	Directional	30dB	6	18	14	20W	SMA
<a href="#">AT-C16-0220</a>	Directional	16dB	2	20	12	20W	SMA
<a href="#">AT-C20-0R540</a>	Directional	20dB	0.5	40	10	20W	2.92mm
<a href="#">AT-C10-0140</a>	Directional	10dB	1	40	10	20W	2.92mm
<a href="#">AT-C20-0140</a>	Directional	20dB	1	40	10	20W	2.92mm
<a href="#">AT-C10-0640</a>	Directional	10dB	6	40	10	20W	2.92mm
<a href="#">AT-C20-0640</a>	Directional	20dB	6	40	10	20W	2.92mm
<a href="#">AT-C10-1840</a>	Directional	10dB	18	40	15	20W	2.92mm
<a href="#">AT-C30-1840</a>	Directional	30dB	18	40	10	20W	2.92mm
<a href="#">AT-C20-1840</a>	Directional	20dB	18	40	10	20W	2.92mm



## Bridge Coupler

PN	Type	Coupling (dB)	Freq low (GHz)	Freq High (GHz)	Directivity (dB)	Power Rating	Connector
<a href="#">AT-BC16-0009</a>	Bridge Coupler	16	0.0002	9	20	1W	3.5mm
<a href="#">AT-BC16-0018</a>	Bridge Coupler	16	0.0002	18	20	1W	3.5mm
<a href="#">AT-BC16-0026</a>	Bridge Coupler	16	0.0002	26.5	20	1W	3.5mm

## DC Block

PN	Type	Freq low (GHz)	Freq High (GHz)	IL (dB)	Voltage (V)	Connector
<a href="#">AT-DC-29M29F</a>	DC Block	0.00003	40	1.2	16	2.92mm
<a href="#">AT-DCLF-29M29F</a>	DC Block	0.000009	40	1.2	10	2.92mm
<a href="#">AT-DC-24M24F</a>	DC Block	0.00003	50	1.2	16	2.4mm
<a href="#">AT-DCLF-24M24F</a>	DC Block	0.000009	50	1.2	10	2.4mm
<a href="#">AT-DC-18M18F</a>	DC Block	0.00003	67	2	16	1.85mm
<a href="#">AT-DCLF-18M18F</a>	DC Block	0.000009	67	2	10	1.85mm
<a href="#">AT-DC-10M10F</a>	DC Block	0.00003	110	3.5	6.3	1.0mm
<a href="#">AT-DCHV-10M10F</a>	DC Block	0.0003	110	3.5	35	1.0mm

## Detector

PN	Type	Polarity	Low Freq (GHz)	High Freq (GHz)	Power Range (dBm)	Vdd (v)	Connector
<a href="#">AT-PD-0043E</a>	Coaxial	Positive	0.5	43.5	-20 to +15	5	2.92mm
<a href="#">AT-PD-0267E</a>	Coaxial	Positive	2	67	-15 to +15	5	1.85mm
<a href="#">AT-PD-0170L</a>	Coaxial	Positive	1	70	-25 to +10	NO	1.85mm
<a href="#">AT-PD-5067VN1</a>	Coaxial	Negative	50	67	-20 to -5	5	1.85mm
<a href="#">AT-PD-5070V</a>	Coaxial	Positive	50	70	-25 to -5	NO	1.85mm
<a href="#">AT-PD-110A</a>	Coaxial	Positive	1	110	-20 to +15	NO	1.0mm

## Filter

### Band-Pass Filter

PN	Type	Center (GHz)	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-BPF-7.6M</a>	BPF-Coaxial	0.0076	0.0073	0.0079	-4	SMA
<a href="#">AT-BPF-10M</a>	BPF-Coaxial	0.01	0.0073	0.0079	-4	SMA
<a href="#">AT-BPF-100M-10</a>	BPF-Coaxial	0.1	0.095	0.105	-2	SMA
<a href="#">AT-BPF-500M-40</a>	BPF-Coaxial	0.5	0.48	0.52	-2	SMA
<a href="#">AT-BPF-900M-50</a>	BPF-Coaxial	0.9	0.875	0.925	-4	SMA
<a href="#">AT-BPF-1.0G-50</a>	BPF-Coaxial	1	0.975	1.025	-3	SMA
<a href="#">AT-BPF-1.5G-60</a>	BPF-Coaxial	1.5	1.47	1.53	-3	SMA
<a href="#">AT-BPF-2.0G-70</a>	BPF-Coaxial	2	1.97	2.03	-4	SMA
<a href="#">AT-BPF-2.4G-200</a>	Narrow-band	2.4	2.3	2.5	-4	SMA
<a href="#">AT-BPF-2.5G-100</a>	BPF-Coaxial	2.5	2.45	2.55	-4	SMA
<a href="#">AT-BPF-3.5G-200</a>	Narrow-band	3.5	3.4	3.6	-2	SMA

## Band-Pass Filter (cont.)

PN	Type	Center (GHz)	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-BPF-4.5G-200</a>	Narrow-band	4.5	4.4	4.6	-2	SMA
<a href="#">AT-BPF-10.7G-2G</a>	Narrow-band	10.7	9.7	11.7	-2	SMA
<a href="#">AT-BPF-5.5G-50</a>	Narrow-band	5.5	5.475	5.525	-2	SMA
<a href="#">AT-BPF-11.7G-2G</a>	Narrow-band	11.7	10.7	12.7	-2	SMA
<a href="#">AT-BPF-8.375G-750M</a>	Narrow-band	8.375	8	8.7	-2	SMA
<a href="#">AT-BPF-9.375G-750M</a>	Narrow-band	9.375	9	9.7	-2	SMA
<a href="#">AT-BPF-10.375G-750M</a>	Narrow-band	10.375	10	10.7	-2	SMA
<a href="#">AT-BPF-11.375G-750M</a>	Narrow-band	11.375	11	11.7	-2	SMA
<a href="#">AT-BPF-12.375G-750M</a>	Narrow-band	12.375	12	12.7	-2	SMA
<a href="#">AT-BPF-27.75G-200</a>	BPF-Coaxial	27.75	27.85	27.95	-4	SMA
<a href="#">AT-BPF-28.5G-200</a>	BPF-Coaxial	28.5	28.4	28.6	-4	SMA
<a href="#">AT-BPF-0813</a>	BPF-Coaxial	10.5	8.5	13.5	-1.5	SMA
<a href="#">AT-BPF-0812</a>	BPF-Coaxial	10	8	12	-1.5	SMA
<a href="#">AT-BPF-0513</a>	BPF-Coaxial	9	5	13	-1.5	SMA
<a href="#">AT-BPF-0810</a>	BPF-Coaxial	9	8	10	-1.5	SMA
<a href="#">AT-BPF-1018</a>	BPF-Coaxial	14	10	18	-1.5	SMA
<a href="#">AT-BPF-1113</a>	BPF-Coaxial	12	11	13	-1.5	SMA
<a href="#">AT-BPF-1744TF1</a>	BPF-Coaxial	30.5	17	44	-1.5	2.92mm
<a href="#">AT-BPF-1218</a>	BPF-Coaxial	15	12	18	-1.5	SMA
<a href="#">AT-BPF-1726TF1</a>	BPF-Coaxial	22	17.6	26.4	-1.5	2.92mm
<a href="#">AT-BPF-1832</a>	BPF-Coaxial	25	18	32	-1.5	2.92mm
<a href="#">AT-BPF-1930TF1</a>	BPF-Coaxial	25	19.2	30.6	-1.5	2.92mm
<a href="#">AT-BPF-2228TF2</a>	BPF-Coaxial	25	22	28	-1.5	2.92mm
<a href="#">AT-BPF-2224</a>	BPF-Coaxial	23	22	24	-1.5	SMA
<a href="#">AT-BPF-2332TF1</a>	BPF-Coaxial	28	23	32	-1.5	2.92mm
<a href="#">AT-BPF-2438TF1</a>	BPF-Coaxial	30	24.5	38	-1.5	2.4mm
<a href="#">AT-BPF-2432</a>	BPF-Coaxial	28	24	32	-1.5	2.92mm
<a href="#">AT-BPF-2735TF1</a>	BPF-Coaxial	31	27	35	-1.5	2.92mm
<a href="#">AT-BPF-2742TF2</a>	BPF-Coaxial	34.75	27	42.5	-3	2.92mm
<a href="#">AT-BPF-2836</a>	BPF-Coaxial	32	28	36	-1.5	2.92mm
<a href="#">AT-BPF-3240</a>	BPF-Coaxial	36	32	40	-1.5	2.92mm
<a href="#">AT-BPF-3336</a>	BPF-Coaxial	34.5	33	36	-2	2.92mm
<a href="#">AT-BPF-47G-4G</a>	BPF-Coaxial	47	45	49	-2	2.4mm
<a href="#">AT-BPF-3751C</a>	BPF-Coaxial	44	37	51	-2	2.4mm
<a href="#">AT-BPF-3657TF1</a>	BPF-Coaxial	46.5	36	57	-2	1.85mm

## Low-Pass Filter

PN	Type	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-LPF-500M-FR</a>	Low-Pass	0	0.5	-0.9	SMA
<a href="#">AT-LPF-04MS</a>	Low-Pass	0	4	-0.9	SMA
<a href="#">AT-LPF-06MS</a>	Low-Pass	0	6	-0.9	SMA
<a href="#">AT-LPF-12C</a>	Low-Pass	0	12	-2	SMA
<a href="#">AT-LPF-12MS</a>	Low-Pass	0	12	-2	SMA
<a href="#">AT-LPF-18MS</a>	Low-Pass	0	18	-2	SMA
<a href="#">AT-LPF-18TF1</a>	Low-Pass	0	18	-2	SMA
<a href="#">AT-LPF-20C</a>	Low-Pass	0	20	-2	SMA
<a href="#">AT-LPF-26TF1</a>	Low-Pass	0	26	-2	2.92mm
<a href="#">AT-LPF-28TF1</a>	Low-Pass	0	28	-2	2.92mm
<a href="#">AT-LPF-31.6TF1</a>	Low-Pass	0	31.6	-2	2.92mm
<a href="#">AT-LPF-32TF1</a>	Low-Pass	0	32	-2	2.92mm
<a href="#">AT-LPF-36TF1</a>	Low-Pass	0	36	-2	2.92mm
<a href="#">AT-LPF-39.6TF1</a>	Low-Pass	0	39.6	-2	2.92mm

## High-Pass Filter

PN	Type	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-HPF-0630C</a>	Coaxial High-Pass	6	30	-2	2.92mm
<a href="#">AT-HPF-0930C</a>	Coaxial High-Pass	9	30	-2	2.92mm
<a href="#">AT-HPF-1040C</a>	Coaxial High-Pass	10	40	-2	2.92mm
<a href="#">AT-HPF-1640C</a>	Coaxial High-Pass	16.5	40	-2	2.92mm
<a href="#">AT-HPF-2850C</a>	Coaxial High-Pass	28	50	-2	2.4mm
<a href="#">AT-HPF-3350C</a>	Coaxial High-Pass	33	50	-2	2.4mm

## Diplexer

PN	Type	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-DIP-0506</a>	Diplexer	0-3	6.5-20	-1	SMA
<a href="#">AT-DIP-0304</a>	Diplexer	0-3	4.0-20	-1	SMA

## Band-Stop Filter

PN	Type	Center (GHz)	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
<a href="#">AT-BSF-24G</a>	Notch-Filter	24-24.25	0-23.5	25-40	-60	2.92mm

## Equalizer

PN	Type	Freq Low (GHz)	Freq High (GHz)	Loss Fmin (dB)	Loss Fmax (dB)	Connector
<a href="#">AT-EQ0006X-03</a>	Equalizer	0	6	-3	-0.5	SMA
<a href="#">AT-EQ0006X-06</a>	Equalizer	0	6	-6	-0.5	SMA
<a href="#">AT-EQ0018H-12</a>	Equalizer	0	18	-12	-1	SMA
<a href="#">AT-EQ0020X-06</a>	Equalizer	0	20	-6	-1	SMA
<a href="#">AT-EQ0020X2-12</a>	Equalizer	0	20	-12	-2	SMA
<a href="#">AT-EQ0026W-06</a>	Equalizer	0	26.5	-6	-1.2	SMA
<a href="#">AT-EQ0026W-10</a>	Equalizer	0	26.5	-10	-1.2	SMA
<a href="#">AT-EQ0040W-06</a>	Equalizer	0	40	-6	-2.2	2.92mm
<a href="#">AT-EQ0040W-10</a>	Equalizer	0	40	-10	-2.2	2.92mm
<a href="#">AT-EQ0050W-06</a>	Equalizer	0	50	-6	-2.2	2.4mm
<a href="#">AT-EQ0050W-10</a>	Equalizer	0	50	-10	-3.2	2.4mm
<a href="#">AT-EQ0070W-06</a>	Equalizer	0	70	-6	-2.5	1.85m
<a href="#">AT-EQ0070W-10</a>	Equalizer	0	70	-10	-3	1.85m
<a href="#">AT-EQ0618X-06</a>	Equalizer	6	18	-6	-1	SMA
<a href="#">AT-EQ1840H-06</a>	Equalizer	18	40	-4	-1.5	2.92mm

## Frequency Divider

### Fixed Frequency Divider

PN	Type	Freq low (GHz)	Freq High (GHz)	Pin	DC Powe	DC Current	sort	Connector
<a href="#">AT-FD2-26S</a>	Div 2	0.5	26.5	-10 to +8	5	0.1	10	SMA
<a href="#">AT-FD2-30S</a>	Div 2	0.5	30	-10 to +8	5	0.1	12	2.92mm
<a href="#">AT-FD2-38L</a>	Div 2	0.5	38	-10 to +8	5	0.1	14	2.92mm
<a href="#">AT-FD3-15S</a>	Div 3	0.1	15	-10 to +8	5	0.1	15	SMA
<a href="#">AT-FD4-26L</a>	Div 4	0.5	26.5	-10 to +8	5	0.1	16	2.92mm
<a href="#">AT-FD4-40L</a>	Div 4	0.5	40	-10 to +8	5	0.1	18	2.92mm
<a href="#">AT-FD5-15S</a>	Div 5	0.1	15	-10 to +8	5	0.1	19	SMA
<a href="#">AT-FD8-26L</a>	Div 8	0.5	26.5	-10 to +8	5	0.1	20	2.92mm
<a href="#">AT-FD8-38L</a>	Div 8	0.5	38	-10 to +8	5	0.1	22	2.92mm
<a href="#">AT-FD10-30S2</a>	Div 10	0.5	30	-10 to +8	5	0.1	24	2.92mm
<a href="#">AT-FD16-26L2</a>	Div 16	0.5	26.5	-10 to +8	5	0.1	26	2.92mm
<a href="#">AT-FD16-40L2</a>	Div 16	0.5	40	-10 to +8	5	0.1	28	2.92mm
<a href="#">AT-FD24-30S2</a>	Div 24	0.5	30	-10 to +8	5	0.1	29	2.92mm
<a href="#">AT-FD32-26L2</a>	Div 32	0.5	26.5	-10 to +8	5	0.1	30	2.92mm
<a href="#">AT-FD32-40L2</a>	Div 32	0.5	40	-10 to +8	5	0.1	32	2.92mm
<a href="#">AT-FD40-30S2</a>	Div 40	0.5	30	-10 to +8	5	0.1	34	2.92mm
<a href="#">AT-FD64-26L2</a>	Div 64	0.5	26.5	-10 to +8	5	0.1	36	2.92mm
<a href="#">AT-FD64-38L2</a>	Div 64	0.5	38	-10 to +8	5	0.1	38	2.92mm

## Programmable Frequency Divider

PN	Type	Freq low (GHz)	Freq High (GHz)	Pin	DC Powe	DC Current	Connector
<a href="#">AT-FDN128-26S</a>	N=1-128	0.5	26.5	-10 to +8	5	0.1	2.92mm
<a href="#">AT-FDN512-40LS</a>	N=4-512	0.5	40	-10 to +8	5	0.1	2.92mm
<a href="#">AT-FDN1024-38LS</a>	N=8-1024	0.5	38	-10 to +8	5	0.1	2.92mm
<a href="#">AT-FDN-54AS2-FD</a>	N=2-256	0.1	54	-8 to +4	5	0.35	1.85mm

## Hybrid

### 90degree Hybrid

PN	Type	Freq low (GHz)	Freq High (GHz)	IL (dB)	Isolation (dB)	Amplitude (dB)	Phase /Degree	Connector
<a href="#">AT-HD90-1M30M-S</a>	90 Degree	1M	30M	-1.5	18	0.6	5	SMA
<a href="#">AT-HD90-5M65M-S</a>	90 Degree	5M	65M	-1.5	18	0.6	5	SMA
<a href="#">AT-H90-30M88M-S</a>	90 Degree	30M	88M	-1.5	18	0.6	5	SMA
<a href="#">AT-HD90-30M100M-S</a>	90 Degree	30M	100M	-1.5	18	0.6	5	SMA
<a href="#">AT-H90-100M520M-S</a>	90 Degree	100M	520M	-1.5	18	0.6	5	SMA
<a href="#">AT-H90-0320R</a>	90 Degree	0.3	2	-1.5	18	0.6	5	SMA
<a href="#">AT-H90-0510R</a>	90 Degree	0.5	1	-0.8	20	0.4	3	SMA
<a href="#">AT-H90-0R508</a>	90 Degree	0.5	8	-0.8	18	0.8	8	SMA
<a href="#">AT-H90-0613R</a>	90 Degree	0.65	1.3	-0.8	20	0.4	3	SMA
<a href="#">AT-H90-0106</a>	90 Degree	1	6	-0.8	20	0.7	5	SMA
<a href="#">AT-H90-0118</a>	90 Degree	1	18	-1.5	15	1.2	12	SMA
<a href="#">AT-H90-0218</a>	90 Degree	2	18	-1.3	16	0.7	10	SMA
<a href="#">AT-H90-0226</a>	90 Degree	2	26.5	-1.3	10	1.5	12	SMA
<a href="#">AT-H90-0240</a>	90 Degree	2	40	-1.3	10	1.5	12	2.92mm
<a href="#">AT-H90-0418</a>	90 Degree	4	18	-1	16	0.6	5	SMA
<a href="#">AT-H90-0618</a>	90 Degree	6	18	-1	16	0.6	5	SMA
<a href="#">AT-H90-1840</a>	90 Degree	18	40	-1	16	0.6	5	2.92mm

### 180degree Hybrid

PN	Type	Freq low (GHz)	Freq High (GHz)	IL (dB)	Isolation (dB)	Amplitude (dB)	Phase /Degree	Connector
<a href="#">AT-H180-0102</a>	180 Degree	1	2	-0.5	20	0.5	5	SMA
<a href="#">AT-H180-0118</a>	180 Degree	1	18	-1.8	20	0.5	5	SMA
<a href="#">AT-H180-0218</a>	180 Degree	2	18	-2.3	20	1.5	12	SMA
<a href="#">AT-H180-0626</a>	180 Degree	6	26.5	-1.5	18	0.8	8	SMA
<a href="#">AT-H180-1840</a>	180 Degree	18	40	-1.5	17	0.8	8	2.92mm

# Mixer

## Mixer Module

PN	Type	RF_L (GHz)	RF_H (GHz)	LO_L (GHz)	LO_H (GHz)	IF (GHz)	LO (dBm)	CL (dB)	Connector
<a href="#">AT-MIX-0044G</a>	Active	0.01	44	44	44	0.01-4	3	-10	2.92mm
<a href="#">AT-MIX-0044HG</a>	Active	0.01	44	44	44	0.01-0.5	3	10	2.92mm
<a href="#">AT-MIX-0050G</a>	Active	0.01	50	50	50	0.01-4	3	-10	2.4mm
<a href="#">AT-MIX-0050HG</a>	Active	0.01	50	50	50	0.01-0.5	3	10	2.4mm
<a href="#">AT-MIX-0067G</a>	Active	0.01	67	67	67	0.01-4	3	-10	1.85mm
<a href="#">AT-MIX-0067HG</a>	Active	0.01	67	67	67	0.01-0.5	3	10	1.85mm
<a href="#">AT-MIX-0222A</a>	Balance	2	22	22	22	DC-3.5	13	-8	SMA
<a href="#">AT-MIX-0312A</a>	Balance	3	2	12	12	DC-4	15	-8	SMA
<a href="#">AT-MIX-0626A</a>	Balance	6	26.5	26.5	26.5	DC-6	15	-8	SMA
<a href="#">AT-MIX-0743A</a>	Balance	7	43	43	43	DC-10	15	-8	2.92mm
<a href="#">AT-MIX-1246A</a>	Balance	12	46	46	46	DC-16	15	-10	2.4mm
<a href="#">AT-MIX-1850A</a>	Balance	18	50	50	50	DC-22	15	-10	2.4mm
<a href="#">AT-MIX-1865A</a>	Balance	18	65	65	65	DC-18	15	-12	1.85mm

## Mixer Integrated with LO Chain

PN	Type	RF Low (GHz)	RF High (GHz)	Gain (dB)	Connector
<a href="#">AT-3MIX-1844L</a>	Tx/Rx Coaxial	18	44	-10	2.92mm
<a href="#">AT-4MIX-1844L</a>	Tx/Rx Coaxial	18	44	-10	2.92mm
<a href="#">AT-4MIX-1844H</a>	Tx/Rx Coaxial	18	44	-10	2.92mm
<a href="#">AT-4MIX-1850L</a>	Tx/Rx Coaxial	18	50	-10	2.4mm
<a href="#">AT-4MIX-3765HV</a>	Tx/Rx Coaxial	37	65	-10	1.85mm
<a href="#">AT-4IQM-1844H</a>	Tx/Rx Coaxial	18	44	-10	2.92mm
<a href="#">AT-4IQM-1850H</a>	Tx/Rx Coaxial	18	50	-10	2.4mm
<a href="#">AT-4IQM-3765HV</a>	Tx/Rx Coaxial	37	65	-10	1.85mm

# Oscillator

## VCO Module

PN	Type	Freq Range (GHz)	Phase Noise 100kHz	Vtune (V)	Pout	Connector
<a href="#">AT-VCO-2.4A-13X</a>	Narrowband	2.3-2.5	-110	0 to 10	13	SMA
<a href="#">AT-VCO-3580RX</a>	Broadband	3.5-8	-100	0 to 18	5	SMA
<a href="#">AT-VCO-3580RX-20</a>	Broadband	3.5-8	-100	0 to 18	20	SMA
<a href="#">AT-VCO-0408A</a>	Broadband	4-8	-100	0 to 18	3	SMA
<a href="#">AT-VCO-0408A-20</a>	Broadband	4-8	-100	0 to 18	20	SMA
<a href="#">AT-VCO-0510A</a>	Broadband	5-10	-95	0 to 18	3	SMA
<a href="#">AT-VCO-0510A-20</a>	Broadband	5-10	-95	0 to 18	20	SMA
<a href="#">AT-VCO-0612A</a>	Broadband	6-12	-95	0 to 23	0	SMA
<a href="#">AT-VCO-0612A-15</a>	Broadband	6-12	-95	0 to 18	15	SMA
<a href="#">AT-VCO-0812X</a>	Broadband	8-12	-90	0 to 23	5	SMA
<a href="#">AT-VCO-0812X-20</a>	Broadband	8-12	-90	0 to 23	20	SMA
<a href="#">AT-VCO-0816A</a>	Broadband	8-16	-90	0 to 23	3	SMA
<a href="#">AT-VCO-0816A-20</a>	Broadband	8-16	-90	0 to 23	20	SMA
<a href="#">AT-VCO-10A1</a>	Narrowband	9.5-10.8	-110	1-13	10	SMA
<a href="#">AT-VCO-1020A</a>	Broadband	10-20	-90	0 to 23	0	SMA
<a href="#">AT-VCO-1020A-10</a>	Broadband	10-20	-90	0 to 23	10	SMA
<a href="#">AT-VCO-1020A-13</a>	Broadband	10-20	-90	0 to 23	13	SMA
<a href="#">AT-VCO-1020A-18</a>	Broadband	10-20	-90	0 to 23	18	SMA
<a href="#">AT-VCO-12A1</a>	Narrowband	11.1-12.4	-110	1-13	8	SMA
<a href="#">AT-VCO-13A1</a>	Narrowband	12.4-13.7	-110	1-13	8	SMA
<a href="#">AT-VCO-15A1</a>	Narrowband	14.25-15.65	-110	1-13	8	SMA
<a href="#">AT-VCO-1922S</a>	Narrowband	19.5-22.5	-100	0-5	3	SMA
<a href="#">AT-VCO-2040A-20</a>	Broadband	20-40	-84	0 to 23	20	2.92mm
<a href="#">AT-VCO-2124S</a>	Narrowband	21-24	-100	0-5	3	SMA
<a href="#">AT-VCO-2327S</a>	Narrowband	23.5-26.8	-100	0-5	3	SMA
<a href="#">AT-VCO-2428S</a>	Narrowband	24.5-28.5	-100	0-5	3	SMA
<a href="#">AT-VCO-3350A-20-24F</a>	Broadband	33-50	-72	1-13	20	2.4mm
<a href="#">AT-VCO-3350X-22-24F</a>	Broadband	33-50	-72	1-13	22	2.4mm
<a href="#">AT-VCO-4065A-18VC</a>	Broadband	40-65	-72	0-10	18	1.8mm

## Phase-Locked DRO

PN	Type	Fixed Freq (GHz)	Freq Range (GHz)	Phase Noise 100kHz	Vtune (V)	Pout (dBm)	Connector
<a href="#">AT-OCXO-100M-X1</a>	OCXO	0.1	-	-165	-	12	SMA
<a href="#">AT-PDRO-2.4GHz-IR</a>	PDRO	2.4	-	-131	-	12	SMA
<a href="#">AT-PDRO-5GHz-IR</a>	PDRO	5	-	-120	-	12	SMA
<a href="#">AT-PDRO-6.4GHz-IR</a>	PDRO	6.4	-	-120	-	12	SMA
<a href="#">AT-PDRO-6.8GHz-IR</a>	PDRO	6.8	-	-120	-	12	SMA
<a href="#">AT-PDRO-9GHz-IR</a>	PDRO	9	-	-120	-	12	SMA
<a href="#">AT-PDRO-9.4GHz-IR</a>	PDRO	9.4	-	-120	-	12	SMA
<a href="#">AT-PDRO-10GHz-IR</a>	PDRO	10	-	-120	-	12	SMA
<a href="#">AT-PDRO-10.75GHz-IR</a>	PDRO	10.75	-	-120	-	12	SMA
<a href="#">AT-PDRO-10.24GHz-IR</a>	PDRO	10.24	-	-120	-	12	SMA
<a href="#">AT-PDRO-11GHz-IR</a>	PDRO	11	-	-120	-	12	SMA
<a href="#">AT-PDRO-11.5GHz-IR</a>	PDRO	11.5	-	-120	-	12	SMA
<a href="#">AT-PDRO-11.275GHz-IR</a>	PDRO	11.275	-	-120	-	12	SMA
<a href="#">AT-PDRO-12.5GHz-IR</a>	PDRO	12.5	-	-120	-	12	SMA
<a href="#">AT-PDRO-12.8GHz-IR</a>	PDRO	12.8	-	-120	-	12	SMA
<a href="#">AT-PDRO-12GHz-IR</a>	PDRO	12	-	-120	-	12	SMA
<a href="#">AT-PDRO-13.5GHz-IR</a>	PDRO	13.5	-	-118	-	12	SMA
<a href="#">AT-PDRO-13.75GHz-IR</a>	PDRO	13.75	-	-118	-	12	SMA
<a href="#">AT-PDRO-14.375GHz-IR</a>	PDRO	14.375	-	-118	-	12	SMA
<a href="#">AT-PDRO-13.125GHz-IR</a>	PDRO	13.125	-	-118	-	12	SMA
<a href="#">AT-PDRO-15.033GHz-IR</a>	PDRO	15.033	-	-118	-	12	SMA
<a href="#">AT-PDRO-16.5GHz-IR</a>	PDRO	16.5	-	-114	-	12	SMA
<a href="#">AT-PDRO-17.5GHz-IR</a>	PDRO	17.5	-	-114	-	12	SMA
<a href="#">AT-PDRO-17.05GHz-IR</a>	PDRO	17.05	-	-114	-	12	SMA
<a href="#">AT-PDRO-20GHz-IR</a>	PDRO	20	-	-113	-	12	SMA
<a href="#">AT-PDRO-24GHz-IR</a>	PDRO	24	-	-112	-	12	SMA
<a href="#">AT-PDRO-24.5GHz-IR</a>	PDRO	24.5	-	-110	-	12	SMA
<a href="#">AT-PDRO-29.4GHz-IR</a>	PDRO	29.4	-	-104	-	12	2.92mm
<a href="#">AT-PDRO-28GHz-IR</a>	PDRO	28	-	-104	-	12	2.92mm
<a href="#">AT-PDRO-32GHz-IR</a>	PDRO	32	-	-104	-	12	2.92mm
<a href="#">AT-PDRO-35GHz-IR</a>	PDRO	35	-	-102	-	12	2.92mm
<a href="#">AT-PDRO-36.7GHz-IR</a>	PDRO	36.7	-	-102	-	12	2.92mm
<a href="#">AT-PDRO-38.37GHz-IR</a>	PDRO	38.37	-	-102	-	12	2.92mm
<a href="#">AT-PDRO-39GHz-IR</a>	PDRO	39	-	-102	-	12	2.92mm
<a href="#">AT-PDRO-40GHz-IR</a>	PDRO	40	-	-102	-	12	2.92mm
<a href="#">AT-PDRO-42GHz-IR</a>	PDRO	42	-	-102	-	12	2.4mm



# Phase Shifter

## Analog Control Phase Shifter

PN	Type	Freq Low (GHz)	Freq High (GHz)	Phase Range /Degree	Control	Connector
<a href="#">AT-APS-0102-360</a>	Analog	1	2	0-360	0 to 14V	SMA
<a href="#">AT-APS-0204-360</a>	Analog	2	4	0-360	0 to 14V	SMA
<a href="#">AT-APS-0207-180</a>	Analog	2	7	0-180	0 to 14V	SMA
<a href="#">AT-APS-0207-360S2</a>	Analog	2	7	0-360	0 to 14V	SMA
<a href="#">AT-APS-0306-360</a>	Analog	3	6	0-360	0 to 14V	SMA
<a href="#">AT-APS-0313-180</a>	Analog	3	13	0-180	0 to 14V	SMA
<a href="#">AT-APS-0313-360S2</a>	Analog	3	13	0-360	0 to 14V	SMA
<a href="#">AT-APS-0618-180</a>	Analog	6	18	0-180	0 to 14V	SMA
<a href="#">AT-APS-0618-360S2</a>	Analog	6	18	0-360	0 to 14V	SMA
<a href="#">AT-APS-0618-720S4</a>	Analog	6	18	0-720	0 to 14V	SMA
<a href="#">AT-APS-0812-360</a>	Analog	8	12	0-360	0 to 14V	SMA
<a href="#">AT-APS-1218-360</a>	Analog	12	18	0-360	0 to 14V	SMA
<a href="#">AT-APS-1826-360</a>	Analog	18	26.5	0-360	0 to 14V	SMA
<a href="#">AT-APS-2431-360</a>	Analog	24	31	0-360	0 to 14V	2.92mm

## Digital Control Phase Shifter

PN	Type	Freq Low (GHz)	Freq High (GHz)	Phase Range /Degree	Control	Connector
<a href="#">AT-6DPS-0406R-360WCP</a>	Digital	0.4	0.6	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-0820R-360NCP</a>	Digital	0.8	2	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-1827R-360HCP</a>	Digital	1.8	2.7	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-0206-360NCP</a>	Digital	2	6	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-0218-360WCP</a>	Digital	2	18	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-2636R-360HCP</a>	Digital	2.6	3.6	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-4554R-360HCP</a>	Digital	4.5	5.4	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-0618-360NCP</a>	Digital	6	18	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-7DPS-0618-360HCP</a>	Digital	6	18	0-360	7bit 2.8125 LSB	SMA
<a href="#">AT-6DPS-0812-360HCP</a>	Digital	8	12	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-1218-360HCP</a>	Digital	12	18	0-360	6bit, 5.625 LSB	SMA
<a href="#">AT-6DPS-1840-360WCP</a>	Digital	18	40	0-360	6bit, 5.625 LSB	2.92mm
<a href="#">AT-6DPS-2429-360NCP</a>	Digital	24	29.5	0-360	6bit, 5.625 LSB	2.92mm
<a href="#">AT-6DPS-2932-360NCP</a>	Digital	29	32	0-360	6bit, 5.625 LSB	2.92mm
<a href="#">AT-6DPS-3040-360NCP</a>	Digital	30	40	0-360	6bit, 5.625 LSB	2.92mm
<a href="#">AT-6DPS-4246-360NCP</a>	Digital	42	46	0-360	6bit, 5.625 LSB	2.4mm

# Power Divider

## Wilkinson 2way Divider

PN	Type	Low Freq (GHz)	High Freq (GHz)	IL (dB)	Amplitude Balance (dB)	Phase Balance /Degree	Connector
<a href="#">AT-PD2-0R506</a>	2 Ways	0.5	6	-1.2	+/-0.4	+/-5	SMA
<a href="#">AT-PD2-0R518</a>	2 Ways	0.5	18	-0.9	+/-0.3	+/-5	SMA
<a href="#">AT-PD2-0R540</a>	2 Ways	0.5	40	-2	+/-0.8	+/-8	2.92mm
<a href="#">AT-PD2-0126</a>	2 Ways	1	26.5	-1.2	+/-0.5	+/-6	SMA
<a href="#">AT-PD2-0140</a>	2 Ways	1	40	-2.2	+/-0.5	+/-8	2.92mm
<a href="#">AT-PD2-0240</a>	2 Ways	2	40	-2.2	+/-0.5	+/-8	2.92mm
<a href="#">AT-PD2-0250</a>	2 Ways	2	50	-2.2	+/-0.5	+/-8	2.4mm
<a href="#">AT-PD2-0150</a>	2 Ways	1	50	-2.2	+/-0.5	+/-8	2.4mm
<a href="#">AT-PD2-0218</a>	2 Ways	2	18	-1.2	+/-0.4	+/-5	SMA
<a href="#">AT-PD2-0440</a>	2 Ways	4	40	-1	+/-0.4	+/-8	2.92mm
<a href="#">AT-PD2-0450</a>	2 Ways	4	50	-1	+/-0.4	+/-8	2.4mm
<a href="#">AT-PD2-0460</a>	2 Ways	4	60	-1	+/-0.4	+/-8	1.85mm
<a href="#">AT-PD2-0618</a>	2 Ways	6	18	-0.8	+/-0.3	+/-5	SMA
<a href="#">AT-PD2-0640</a>	2 Ways	6	40	-1.5	+/-0.4	+/-8	2.92mm
<a href="#">AT-PD2-0665</a>	2 Ways	6	65	-3	+/-1.0	+/-12	1.85mm
<a href="#">AT-PD2-1026</a>	2 Ways	10	26.5	-1.5	+/-0.4	+/-8	SMA
<a href="#">AT-PD2-1840</a>	2 Ways	18	40	-1.5	+/-0.4	+/-4	2.92mm

## Wilkinson 4ways Divider

PN	Type	Low Freq (GHz)	High Freq (GHz)	IL (dB)	Amplitude Balance (dB)	Phase Balance /Degree	Connector
<a href="#">AT-PD4-0R506</a>	4 Ways	0.5	6	-2	+/-0.4	+/-5	SMA
<a href="#">AT-PD4-0R518</a>	4 Ways	0.5	18	-2.5	+/-0.4	+/-8	SMA
<a href="#">AT-PD4-0118</a>	4 Ways	1	18	-2.5	+/-0.4	+/-8	SMA
<a href="#">AT-PD4-0218</a>	4 Ways	2	18	-1.8	+/-0.4	+/-6	SMA
<a href="#">AT-PD4-0618</a>	4 Ways	6	18	-1.8	+/-0.4	+/-6	SMA
<a href="#">AT-PD4-0140</a>	4 Ways	1	40	-5.2	+/-0.8	+/-12	2.92mm
<a href="#">AT-PD4-0240</a>	4 Ways	2	40	-5.2	+/-0.8	+/-12	2.92mm
<a href="#">AT-PD4-0640</a>	4 Ways	6	40	-1.6	+/-0.4	+/-8	2.92mm

## Wilkinson 8ways Divider

PN	Type	Low Freq (GHz)	High Freq (GHz)	IL (dB)	Amplitude Balance (dB)	Phase Balance /Degree	Connector
<a href="#">AT-PD8-0R506</a>	8 Ways	0.5	6	-3.5	+/-0.8	+/-12	SMA
<a href="#">AT-PD8-0R518</a>	8 Ways	0.5	18	-6.5	+/-0.8	+/-12	SMA
<a href="#">AT-PD8-0118</a>	8 Ways	1	18	-4	+/-0.5	+/-10	SMA
<a href="#">AT-PD8-0218</a>	8 Ways	2	18	-6	+/-0.8	+/-12	SMA
<a href="#">AT-PD8-0618</a>	8 Ways	6	18	-3.2	+/-0.5	+/-8	SMA
<a href="#">AT-PD8-0640</a>	8 Ways	6	40	-2.5	+/-0.5	+/-6	2.92mm

## Wilkinson 16ways Divider

PN	Type	Low Freq (GHz)	High Freq (GHz)	IL (dB)	Amplitude Balance (dB)	Phase Balance /Degree	Connector
<a href="#">AT-PD16-1840</a>	16 Ways	18	40	-3.5	+/-0.5	+/-6	2.92mm
<a href="#">AT-PD16-1215</a>	16 Ways	12	15	-3.5	+/-0.5	+/-6	SMA

## Resistor Power Divider

PN	Type	Low Freq (GHz)	High Freq (GHz)	IL (dB)	Amplitude Balance (dB)	Phase Balance /Degree	Connector
<a href="#">AT-RPD2-0040</a>	Resistor	0	40	-7	+/-0.3	+/-4	2.92mm
<a href="#">AT-RPD2-0050</a>	Resistor	0	50	-8	+/-0.8	+/-7	2.4mm
<a href="#">AT-RPD2-0067</a>	Resistor	0	67	-8	+/-0.8	+/-8	185mm

## Switch

### Pin Switch

PN	Type	Ways	Freq Low (GHz)	Freq High (dB)	IL (dB)	Isolation (dB)	Connector
<a href="#">AT-SPST-0.118GF1</a>	Reflective	SPST	0.1	18	-2	80	SMA
<a href="#">AT-SPST-0.140GA1</a>	Absorptive	SPST	0.1	40	-4	65	2.92mm
<a href="#">AT-SPDT-0.118GA1</a>	Absorptive	SPDT	0.1	18	-3	65	SMA
<a href="#">AT-SPDT-0.140GA1</a>	Absorptive	SPDT	0.1	40	-4	65	2.92mm
<a href="#">AT-SPDT-0.540GA1</a>	Absorptive	SPDT	0.5	40	-2.5	65	2.92mm
<a href="#">AT-SPDT-0220GXH-R</a>	Absorptive	SPDT	2	20	-1.5	40	SMA
<a href="#">AT-SPDT-0650GC1</a>	Absorptive	SPDT	6	50	-7.5	45	2.4mm
<a href="#">AT-SP3T-0.120GA1</a>	Absorptive	SP3T	0.1	20	-2	80	SMA
<a href="#">AT-SP3T-0.140GA1</a>	Absorptive	SP3T	0.1	40	-4	65	2.92mm
<a href="#">AT-SP3T-0.540GC2</a>	Absorptive	SP3T	0.5	40	-2.5	65	2.92mm
<a href="#">AT-SP4T-0.140GA1</a>	Absorptive	SP4T	0.1	40	-4	65	2.92mm
<a href="#">AT-SP4T-0.518GA2</a>	Absorptive	SP4T	0.5	18	-2.5	80	SMA
<a href="#">AT-SP4T-1040XL-R</a>	Absorptive	SP4T	10	40	-4	40	2.92mm
<a href="#">AT-SP5T-0.118GA1</a>	Absorptive	SP5T	0.1	18	-4	65	SMA
<a href="#">AT-SP6T-0.118GA1</a>	Absorptive	SP6T	0.1	18	-4	65	SMA
<a href="#">AT-SP8T-0.118GA1</a>	Absorptive	SP8T	0.1	18	-4	80	SMA
<a href="#">AT-SP8T-0.540GA1</a>	Absorptive	SP8T	0.5	40	-8	45	2.92mm
<a href="#">AT-SP8T-0.544GA1</a>	Absorptive	SP8T	0.5	44	-9	45	2.92mm
<a href="#">AT-SP8T-0.550GA1</a>	Absorptive	SP8T	0.5	50	-12	45	2.4mm
<a href="#">AT-SP16T-0218GA1</a>	Absorptive	SP16T	2	18	-6	80	SMA
<a href="#">AT-SP16T-1040XL-R</a>	Reflective	SP16T	10	40	-6	40	2.92mm

## Termination

PN	Type	Freq Low (GHz)	Freq High (dB)	Power Rating	Connector
<a href="#">AT-T50-NM</a>	Coaxial	0	18	2W	N
<a href="#">AT-T50-SM</a>	Coaxial	0	26.5	2W	SMA
<a href="#">AT-T50-35M</a>	Coaxial	0	33	2W	3.5mm
<a href="#">AT-T50-29M</a>	Coaxial	0	40	2W	2.92mm
<a href="#">AT-T50-24M</a>	Coaxial	0	50	2W	2.4mm
<a href="#">AT-T50-18M</a>	Coaxial	0	65	1W	1.85mm



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