

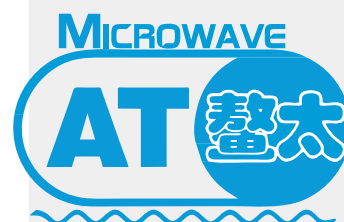
COAXIAL MODULE

2025Q1 CATALOG

Shanghai AT Microwave Limited



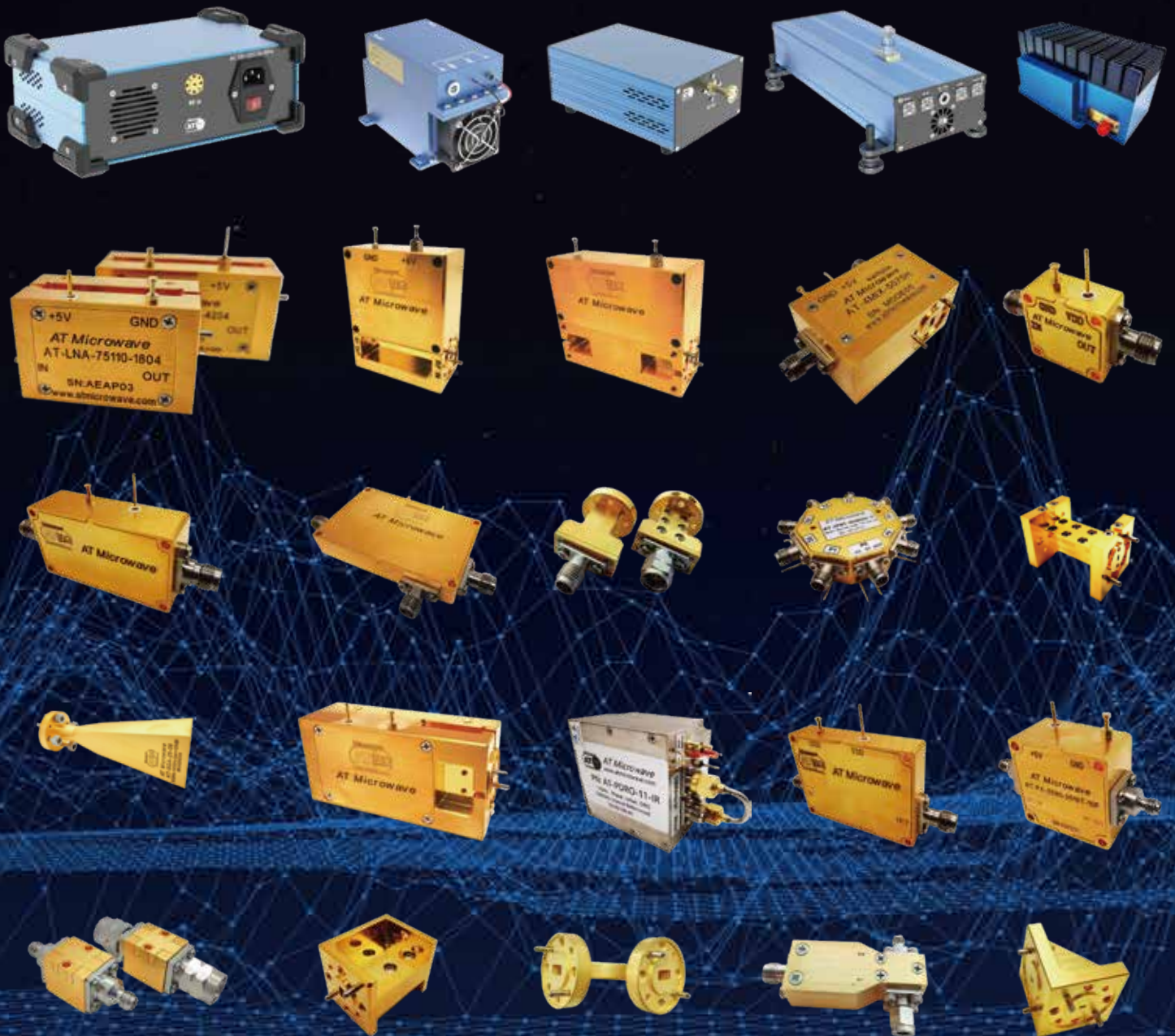
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SHANGHAI AT MICROWAVE LIMITED

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.

ADVANTAGES

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.



* Visit www.atmicrowave.com for more connectorized components.

Table of contents

Amplifier-LNA Module	6
SMA LNA to 26.5GHz	6
2.92mm LNA to 44GHz	7
2.4mm LNA to 50GHz	8
1.85mm LNA to 70GHz	8
1.0mm LNA to 110GHz	9
Amplifier-PA Module	9
Coaxial PA Module.....	9
BB Series: Broadband Amplifier	10
BBLF Series: Optical Modulator Driver	11
1.0mm PA Module	11
Frequency Multiplier Module	11
X2 Active Multiplier	11
X3 Active Multiplier	12
X4 Active Multiplier	12
X6 Active Multiplier	12
Passive Multiplier	12
Comb Generator	13
Adapter	13
In-series	13
Between-Series	13
Attenuator	14
Fixed Attenuator	14
MMIC-Based Fixed Attenuator	14
Analog Variable Attenuator	15
Digital Control Attenuator	15
Bias Tee	16
Coupler	16
Directional Coupler	16
Bridge Coupler	17
DC Block	17
Detector	17
Filter.....	17
Band-Pass Filter	17
Low-Pass Filter	19





High-Pass Filter	19
Diplexer	19
Band-Stop Filter	19
Equalizer	20
Frequency Divider	20
Fixed Frequency Divider.....	20
Programmable Frequency Divider.....	21
Hybrid	21
90degree Hybrid.....	21
180degree Hybrid	21
Mixer	22
Mixer Module	22
Mixer Integrated with LO Chain.....	22
Oscillator	23
VCO Module	23
Phase-Locked DRO	24
Phase Shifter	25
Analog Control Phase Shifter	25
Digital Control Phase Shifter.....	25
Power Divider	26
Wilkinson 2way Divider	26
Wilkinson 4ways Divider	26
Wilkinson 8ways Divider	26
Wilkinson 16ways Divider	27
Resistor Power Divider	27
Switch	27
Termination	27

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
AT-LNA-0020-1503	0.00005	20	15	3	15	16	12	SMA
AT-LNA-0020-2803	0.00005	20	28	3	15	16	12	SMA
AT-LNA-0020-4303	0.00005	20	43	3	15	16	12	SMA
AT-LNA-0003-2801	0.1	3.5	28	1	18	19	5	SMA
AT-LNA-0003-5701	0.1	3.5	57	1	17	18	5	SMA
AT-LNA-0008-1702	0.1	8	17	2	16	18	5	SMA
AT-LNA-0008-3302	0.1	8	33	2	17	18	5	SMA
AT-LNA-0002-1701	0.3	2	17	1	15	16	5	SMA
AT-BB-0020-4529	0.3	20	45	2.2	28	29	12	SMA
AT-LNA-0018-1225	0.5	18	12	2.5	12	13	5	SMA
AT-LNA-0109-2501	1	9	25	1	12	13	5	SMA
AT-LNA-0109-5001	1	9	50	1	12	13	5	SMA
AT-LNA-0118-1302	1	18	13	2	16	17	5	SMA
AT-LNA-0118-2702	1	18	27	2	16	18	5	SMA
AT-LNA-0118-2702P22	1	18	27	2	20	22	12	SMA
AT-LNA-0118-4002	1	18	40	1.8	16	17	5	SMA
AT-LNA-0118-5502	1	18	55	1.8	16	17	5	SMA
AT-LNA-0206-2501	2	6	25	1	10	11	5	SMA
AT-LNA-0206-5001	2	6	50	1	10	11	5	SMA
AT-LNA-0408-2501	4	8	25	1	10	11	5	SMA
AT-LNA-0408-5001	4	8	50	1	10	11	5	SMA
AT-LNA-0618-5025P29	6	18	50	2.5	28	29	12	SMA
AT-LNA-0618-2215	6	18	22	1.5	10	11	5	SMA
AT-LNA-0618-3515	6	18	35	1.5	16	17	5	SMA
AT-LNA-0618-5515	6	18	55	1.7	16	17	5	SMA
AT-LNA-1526-1502	15	26.5	15	2	8	9	5	SMA
AT-LNA-1526-3002	15	26.5	30	2	8	9	5	SMA
AT-LNA-1526-4502	15	26.5	45	2	15	16	5	SMA
AT-LNA-1826-3518P20	18	26.5	35	1.8	18	20	5	SMA
AT-LNA-1826-4003	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
AT-LNA-0043-2304Y	0.000075	43	23	4.5	13	14	5	2.92mm
AT-LNA-0043-3504Y	0.000075	43	35	4.5	13	14	5	2.92mm
AT-LNA-0043-1204	0.01	43	12	4.5	13	14	5	2.92mm
AT-LNA-0043-2304	0.01	43	23	4.5	13	14	5	2.92mm
AT-LNA-0043-3504	0.01	43	35	4.5	13	14	5	2.92mm
AT-LNA-0043-5004	0.01	43	50	4.5	13	14	5	2.92mm
AT-BB-0043-2720	0.01	43	27	4.5	20	22	9	2.92mm
AT-BB-0043-3820	0.01	43	38	4.5	20	22	9	2.92mm
AT-BB-0043-5020	0.01	43	50	4.5	18	20	9	2.92mm
AT-LNA-0027-4303	0.1	27	43	3	13	14	12	2.92mm
AT-LNA-0027-4503P22	0.1	27	45	3	20	22	12	2.92mm
AT-LNA-0243-1204	2	43	12	4	15	16	5	2.92mm
AT-LNA-0243-2504	2	43	25	4	15	16	5	2.92mm
AT-LNA-0243-4004	2	43	40	4	15	16	5	2.92mm
AT-LNA-0243-5004	2	43	50	4	15	16	5	2.92mm
AT-LNA-0243-2704P22	2	43	27	4.5	20	22	12	2.92mm
AT-LNA-0243-4204P22	2	43	42	4	20	22	12	2.92mm
AT-LNA-1743-2003	17	43	20	3	12	13	5	2.92mm
AT-LNA-1743-4303	17	43	43	3	12	13	5	2.92mm
AT-LNA-1832-2503	18	32	25	3	10	11	5	2.92mm
AT-LNA-1832-4003	18	32	40	3	10	11	5	2.92mm
AT-LNA-1840-3335	18	40	33	3.5	10	11	5	2.92mm
AT-LNA-1840-4035	18	40	40	3.5	16	18	5	2.92mm
AT-LNA-1840-5304	18	40	53	4	16	18	5	2.92mm
AT-LNA-1840-6004P20	18	40	60	4	20	22	5	2.92mm
AT-LNA-1844-1735	18	44	17	3.5	13	14	5	2.92mm
AT-LNA-1844-4003	18	44	40	3	13	14	5	2.92mm
AT-LNA-1844-3803P20	18	44	38	3	20	22	5	2.92mm
AT-LNA-2232-2302	22	32	23	2	3	4	5	2.92mm
AT-LNA-2232-4002P20	22	32	40	2	20	22	5	2.92mm
AT-LNA-2244-2325	22	44	23	2.5	6	8	5	2.92mm
AT-LNA-2244-3825	22	44	38	2.5	10	11	5	2.92mm
AT-LNA-2244-4725	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
AT-LNA-0050-2305Y	0.000075	50	23	5	13	14	5	2.4mm
AT-LNA-0050-3505Y	0.000075	50	35	5	13	14	5	2.4mm
AT-LNA-0050-1205	0.01	50	12	5	13	14	5	2.4mm
AT-LNA-0050-2305	0.01	50	23	5	13	14	5	2.4mm
AT-LNA-0050-3505	0.01	50	35	5	13	14	5	2.4mm
AT-LNA-0050-5005	0.01	50	50	5	13	14	5	2.4mm
AT-BB-0047-2720	0.01	47	27	5	18	20	12	2.4mm
AT-BB-0050-3820	0.01	50	38	5	18	20	12	2.4mm
AT-BB-0050-5020	0.01	50	50	5	18	20	12	2.4mm
AT-LNA-0250-2505	2	50	25	5	10	11	5	2.4mm
AT-LNA-0250-3805	2	50	38	5	10	11	5	2.4mm
AT-LNA-0250-5005	2	50	50	5	10	11	5	2.4mm
AT-LNA-1550-4505	15	50	45	5	10	11	5	2.4mm
AT-LNA-1850-3005P15	18	50	30	5	14	15	5	2.4mm
AT-LNA-2244-2325	22	44	23	2.5	6	7	5	2.4mm
AT-LNA-2244-3825	22	44	38	2.5	10	11	5	2.4mm
AT-LNA-2244-4025P20	22	44	40	2.5	18	20	12	2.4mm
AT-LNA-2244-4525P23	22	44	45	2.5	22	23	5	2.4mm
AT-LNA-3050-2328	30	50	23	2.8	5	6	5	2.4mm
AT-LNA-3050-3828	30	50	38	2.8	12	13	5	2.4mm
AT-LNA-3050-4528P23	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
AT-BBLF-0067-1815D	0.00005	67	18	7	13	15	8	1.85mm
AT-BBLF-0067-2815D	0.00005	67	28	7	13	15	8	1.85mm
AT-BB-0070-1815	0.01	70	18	7	13	15	8	1.85mm
AT-BB-0070-3015	0.01	70	30	7	13	15	8	1.85mm
AT-BB-0070-5015	0.01	70	50	7	13	15	8	1.85mm
AT-BB-0070-4015	0.01	70	40	7	13	15	8	1.85mm
AT-BB-0367-1815	3	67	18	7	13	15	8	1.85mm
AT-BB-0367-3015	3	67	30	7	13	15	8	1.85mm
AT-BB-0367-4015	3	67	40	7	13	15	8	1.85mm
AT-BB-0367-5015	3	67	50	7	13	15	8	1.85mm
AT-LNA-4067-2503V	40	67	25	3	-3	0	5	1.85mm
AT-PA-3767-3320V	37	67	33	5	18	20	5	1.85mm
AT-LNA-4067-3305V	40	67	33	5	13	14	5	1.85mm
AT-LNA-4060-3803V	40	60	38	3	3	4	5	1.85mm
AT-PA-4060-3820V	40	60	38	5	18	20	5	1.85mm
AT-PA-5070-3020V	50	70	30	5	18	20	5	1.85mm
AT-LNA-5566-1506V	55	66	15	6	8	9	5	1.85mm
AT-LNA-5566-3506V	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
AT-BBLF-100GA	0.00005	100	8	6	8	10	5	1.0mm
AT-BBLF-100GB	0.00005	100	13	6	8	10	5	1.0mm
AT-LNA-4575-1604-10F	45	75	16	4	-3	0	5	1.0mm
AT-PA-4575-3515-10F	45	75	35	4	13	15	5	1.0mm
AT-LNA-5590-1506-10F	55	90	15	6	7	8	5	1.0mm
AT-PA-5590-3518-10F	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
AT-PA-0218-2327	2	18	23	25	27	10	0.25	SMA
AT-HPA-0227-3334	2	27	33	-	34	20	1.3	SMA
AT-HPA-0227-4534	2	27	45	-	34	20	1.3	SMA
AT-PA-0618-1823	6	18	18	22	23	5	0.25	SMA
AT-PA-0618-4530	6	18	45	29	30	12	0.95	SMA
AT-PA-0618-2230	6	18	22	29	30	12	0.9	SMA
AT-PA-0618-3327	6	18	33	25	27	12	0.35	SMA
AT-PA-0618-3827	6	18	38	25	27	12	0.35	SMA
AT-PA-0618-4323	6	18	43	22	23	5	0.35	SMA
AT-PA-0620-1318	6	20	13	17	18	5	0.13	SMA
AT-PA-0626-2217	6	26.5	22	15	17	5	0.13	SMA
AT-PA-1743-3028	17	43	30	27	28	12	0.9	2.92mm
AT-PA-1743-4028	17	43	40	27	28	12	0.9	2.92mm
AT-PA-1829-2728	18	29	27	27	28	8	0.83	2.92mm
AT-PA-1829-3532	18	29	35	30	32	12	1.1	2.92mm
AT-PA-1840-1820	18	40	18	19	20	8	0.2	2.92mm
AT-PA-1840-3020	18	40	30	19	20	8	0.35	2.92mm
AT-PA-1840-3330	18	40	33	28	30	22	0.65	2.92mm
AT-PA-1852-3328	18	52	33	26	28	12	1.3	2.4mm
AT-PA-1852-5028	18	52	33	26	28	12	1.4	2.4mm
AT-PA-2040-3023	20	40	30	20	23	8	0.65	2.92mm
AT-PA-2050-2023	20	50	20	20	23	5	0.65	2.4mm
AT-PA-2050-3523	20	50	35	20	23	5	0.8	2.4mm
AT-PA-2634-2332	26	34	23	30	32	12	0.9	2.92mm
AT-PA-2634-3532	26	34	35	30	32	12	0.9	2.92mm
AT-PA-3038-3326	30	38	33	25	26	6	0.85	2.92mm
AT-PA-3560-3032V	35	60	30	-	32	20	2	1.85mm
AT-PA-3564-3524V	35	64	34	-	24	12	0.5	1.85mm
AT-PA-3767-3320V	37	67	33	18	20	5	0.5	1.85mm
AT-PA-4060-3820V	40	60	38	-	20	5	0.45	1.85mm
AT-PA-4067-3932V	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
AT-PA-4067-3334V	40	67	33	-	34	20	2.5	1.85mm
AT-PA-4067-3934V	40	67	39	-	34	20	2.8	1.85mm
AT-PA-5067-3534V	50	67	35	-	34	20	2.8	1.85mm
AT-PA-5070-3020V	50	70	30	18	20	5	0.5	1.85mm
AT-PA-5565-2732V	55	66	27	28	32	20	2.8	1.85mm
AT-PA-5566-1522V	55	66	15	20	22	5	0.55	1.85mm
AT-PA-5766-2326V	57	66	23	24	26	5	2.2	1.85mm
AT-PA-5565-3732V	55	66	37	28	32	20	2.8	1.85mm
AT-PA-5566-1520V	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
AT-BB-0026-1325	0.01	26.5	13	23	25	12	0.23	SMA
AT-BB-0026-3025	0.01	26.5	30	23	25	12	0.28	SMA
AT-BB-0043-1520	0.01	43	15	18	20	9	0.25	2.92mm
AT-BB-0043-2720	0.01	43	27	20	22	9	0.33	2.92mm
AT-BB-0043-3820	0.01	43	38	20	22	9	0.35	2.92mm
AT-BB-0043-5020	0.01	43	50	20	22	9	0.45	2.92mm
AT-BB-0047-1520	0.01	47	15	18	20	9	0.23	2.4mm
AT-BB-0047-2720	0.01	47	27	20	22	9	0.33	2.4mm
AT-BB-0050-3820	0.01	50	38	20	22	9	0.35	2.4mm
AT-BB-0050-5020	0.01	50	50	20	22	9	0.45	2.4mm
AT-BB-0070-1815	0.01	70	18	15	17	8	0.2	1.85mm
AT-BB-0070-3015	0.01	70	30	15	17	8	0.3	1.85mm
AT-BB-0070-4015	0.01	70	40	15	17	8	0.35	1.85mm
AT-BB-0070-5015	0.01	70	50	15	17	8	0.45	1.85mm
AT-BB-0012-2730	0.1	12	27	29	30	12	0.6	SMA
AT-BB-0012-4230	0.1	12	42	29	30	12	0.6	SMA
AT-BB-0022-2730	0.1	22	27	29	30	16	0.9	SMA
AT-BB-0022-4030	0.1	22	40	29	30	16	0.9	SMA
AT-BB-0020-4529	0.3	20	45	27	29	12	0.75	SMA
AT-BB-0367-1815	3	67	18	15	17	8	0.2	1.85mm
AT-BB-0367-3015	3	67	30	15	17	8	0.3	1.85mm
AT-BB-0367-4015	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
AT-BBLF-0020-1415A	0.00003	20	14	13	+15/3.56Vpp	9	2.92mm
AT-BBLF-0020-1522A	0.00003	20	15	20	+22/7.96Vpp	8	2.92mm
AT-BBLF-0020-3022B	0.00003	20	30	20	+22/7.96Vpp	9	2.92mm
AT-BBLF-0043-1520D	0.00005	43	15	19	+20/6.32Vpp	8	2.92mm
AT-BBLF-0043-2720D	0.00005	43	27	19	+20/6.32Vpp	8	2.92mm
AT-BBLF-0047-1520D	0.00005	47	15	19	+20/6.32Vpp	8	2.4mm
AT-BBLF-0047-2720D	0.00005	47	27	19	+20/6.32Vpp	8	2.4mm
AT-BBLF-0050-2315D	0.00005	50	23	13	+15/3.56Vpp	8	1.85mm
AT-BBLF-0067-1815D	0.00005	67	18	13	+15/3.56Vpp	8	1.85mm
AT-BBLF-0067-2815D	0.00005	67	28	13	+15/3.56Vpp	8	1.85mm
AT-FA0055A	0.00003	55	10	6	+8/1.59Vpp	8	1.85mm
AT-BBLF-100GA	0.00005	100	8	8	+10/2.0Vpp	5	1.0mm
AT-BBLF-100GB	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
AT-PA-4090-1515-10F	40	90	15	13	15	5	300	1.0mm
AT-PA-4575-3515-10F	45	75	35	13	15	5	340	1.0mm
AT-PA-5590-1518-10F	55	90	15	17	18	5	350	1.0mm
AT-PA-5590-3518-10F	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
AT-AM2-0618-15L	X2	3	6	18	15	SMA
AT-AM2-0618-20L	X2	3	6	18	20	SMA
AT-AM2-0826-13L	X2	3	8	26	13	SMA
AT-AM2-1830-16L	X2	3	18	30	16	2.92mm
AT-AM2-1830-28L	X2	3	18	30	28	2.92mm
AT-AM2-1840-12L	X2	3	18	40	12	2.92mm
AT-AM2-1840-12	X2	13	18	40	12	2.92mm
AT-AM2-1844-18L	X2	3	18	44	18	2.92mm
AT-AM2-1844-18	X2	13	18	44	18	2.92mm
AT-AM2-1844-28L	X2	3	18	44	28	2.92mm
AT-AM2-1850-28L	X2	3	18	50	28	2.4mm
AT-AM2-1850-15L	X2	3	18	50	15	2.4mm
AT-AM2-1850-15	X2	13	18	50	15	2.4mm
AT-AM2-2050-22L	X2	3	20	50	22	2.4mm
AT-AM2-2050-22	X2	13	20	50	22	2.4mm
AT-AM2-2244-15L	X2	3	22	44	15	2.92mm
AT-AM2-2244-28L	X2	3	22	44	28	2.92mm
AT-AM2-3765-18L	X2	3	37	65	18	1.85mm
AT-AM2-3765-18	X2	13	35	67	18	1.85mm

X3 Active Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
AT-AM3-0918-15L	X3	0	9	18	15	SMA
AT-AM3-0918-23L	X3	0	9	18	23	SMA
AT-AM3-1840M-10L	X3	3	18	40	10	2.92mm
AT-AM3-1844M-13L	X3	3	18	44	13	2.92mm
AT-AM3-1844M-18L	X3	3	18	44	18	2.92mm
AT-AM3-2040-13L	X3	0	20	40	13	2.92mm
AT-AM3-2044-18L	X3	0	20	44	18	2.92mm
AT-AM3-3050-15L	X3	3	30	50	15	2.4mm
AT-AM3-3050-20L	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
AT-AM4-0618-13L	X4	3	16	44	13	SMA
AT-AM4-0618-20L	X4	3	16	44	20	SMA
AT-AM4-1840-12L	X4	3	18	40	12	2.92mm
AT-AM4-1840-12	X4	13	18	40	12	2.92mm
AT-AM4-1844-18L	X4	3	18	44	18	2.92mm
AT-AM4-1844-18	X4	13	18	44	18	2.92mm
AT-AM4-1844-28L	X4	3	18	44	28	2.92mm
AT-AM4-1850-15L	X4	3	18	50	15	2.4mm
AT-AM4-1850-28L	X4	3	18	50	28	2.4mm
AT-AM4-1850-15	X4	13	18	50	15	2.4mm
AT-AM4-2050-22L	X4	3	20	50	22	2.4mm
AT-AM4-2050-22	X4	13	20	50	22	2.4mm
AT-AM4-3765-18L	X4	3	37	65	18	1.85mm
AT-AM4-3765-18	X4	13	37	65	18	1.85mm
AT-AM4-4060-10V	X4	13	40	60	10	1.85mm

X6 Active Multiplier

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
AT-AM6-5766-13VL	X6	3	57	66	13	1.85mm
AT-AM6-5766-23VL	X6	3	57	66	23	1.85mm
AT-AM6-5766-26VL	X6	3	57	66	26	1.85mm

Passive Multiplier

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

Comb Generator

PN	Multiplier Factor	Pin (dBm)	Output Low (GHz)	Output High (GHz)	Pout (dBm)	Connector
AT-FCG-40S	xN	18	0.03	40	-20	2.92
AT-OCG-30S	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
AT-AP-TNCXTNCX	Coaxial-In	0	11	TNC	TNC	0.15	1.15
AT-AP-NXNX	Coaxial-In	0	18	N	N	0.2	1.15
AT-AP-SXSX	Coaxial-In	0	26.5	SMA	SMA	0.2	1.15
AT-AP-SFSF-FL	Coaxial-In	0	26.5	SMA	SMA	0.5	1.2
AT-AP-SXSX-RA	Coaxial-In	0	26.5	SMA	SMA	1	1.25
AT-AP-35X35X	Coaxial-In	0	32	3.5mm	3.5mm	0.2	1.2
AT-AP-29X29X	Coaxial-In	0	40	2.92mm	2.92mm	0.3	1.2
AT-AP-29F29F-FL	Coaxial-In	0	40	2.92mm	2.92mm	0.5	1.2
AT-AP-29X29X-RA	Coaxial-In	0	40	2.92mm	2.92mm	1	1.25
AT-AP-24X24X	Coaxial-In	0	50	2.4mm	2.4mm	0.4	1.25
AT-AP-24X24X-RA	Coaxial-In	0	50	2.4mm	2.4mm	1	1.3
AT-AP-24F24F-FL	Coaxial-In	0	50	2.4mm	2.4mm	0.5	1.25
AT-AP-18X18X	Coaxial-In	0	67	1.85mm	1.85mm	0.6	1.3
AT-AP-18F18F-FL	Coaxial-In	0	67	1.85mm	1.85mm	1	1.3
AT-AP-13X13X	Coaxial-In	0	90	1.35mm	1.35mm	1	1.4
AT-AP-10X10X	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
AT-AP-SXBX	Coaxial-Between	0	2	SMA	BNC	0.15	1.15
AT-AP-NXSX	Coaxial-Between	0	18	N	SMA	0.15	1.15
AT-AP-29XSX	Coaxial-Between	0	18	2.9mm	SMA	0.2	1.2
AT-AP-24XSX	Coaxial-Between	0	18	2.4mm	SMA	0.2	1.2
AT-AP-29X35X	Coaxial-Between	0	32	2.9mm	3.5mm	0.2	1.2
AT-AP-24X35X	Coaxial-Between	0	32	2.4mm	3.5mm	0.2	1.2
AT-AP-18X35X	Coaxial-Between	0	32	1.85mm	3.5mm	0.3	1.2
AT-AP-24X29X	Coaxial-Between	0	40	2.4mm	2.92mm	0.2	1.2
AT-AP-18X29X	Coaxial-Between	0	40	1.85mm	2.92mm	0.35	1.25
AT-AP-18X24X	Coaxial-Between	0	50	1.85mm	2.4mm	0.4	1.3
AT-AP-10X24X	Coaxial-Between	0	50	1.0mm	2.4mm	0.6	1.35
AT-AP-13X18X	Coaxial-Between	0	67	1.35mm	1.85mm	0.6	1.35
AT-AP-10X18X	Coaxial-Between	0	67	1.0mm	1.85mm	0.6	1.35
AT-AP-10X13X	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
AT-FAT-03-27	Fixed	0	27	-10	3	2W	SMA
AT-FAT-06-27	Fixed	0	27	-10	6	2W	SMA
AT-FAT-10-27	Fixed	0	27	-10	10	2W	SMA
AT-FAT-20-27	Fixed	0	27	-10	20	2W	SMA
AT-FAT-30-27	Fixed	0	27	-10	30	2W	SMA
AT-FAT-03-40	Fixed	0	40	-10	3	2W	2.92mm
AT-FAT-06-40	Fixed	0	40	-10	6	2W	2.92mm
AT-FAT-10-40	Fixed	0	40	-10	10	2W	2.92mm
AT-FAT-20-40	Fixed	0	40	-10	20	2W	2.92mm
AT-FAT-30-40	Fixed	0	40	-10	30	2W	2.92mm
AT-FAT-03-50	Fixed	0	50	-10	3	2W	2.4mm
AT-FAT-06-50	Fixed	0	50	-10	6	1W	2.4mm
AT-FAT-10-50	Fixed	0	50	-10	10	1W	2.4mm
AT-FAT-20-50	Fixed	0	50	-10	20	1W	2.4mm
AT-FAT-30-50	Fixed	0	50	-10	30	1W	2.4mm
AT-FAT-03-67A	Fixed	0	67	-10	3	2W	1.85mm
AT-FAT-06-67A	Fixed	0	67	-10	6	2W	1.85mm
AT-FAT-10-67A	Fixed	0	67	-10	10	1W	1.85mm
AT-FAT-20-67A	Fixed	0	67	-10	20	1W	1.85mm
AT-FAT-30-67A	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
AT-MFAT03-29	Fixed	0	40	-10	3	2W	2.92mm
AT-MFAT06-29	Fixed	0	40	-10	6	2W	2.92mm
AT-MFAT10-29	Fixed	0	40	-10	10	2W	2.92mm
AT-MFAT20-29	Fixed	0	40	-10	20	2W	2.92mm
AT-MFAT30-29	Fixed	0	40	-10	30	0.5W	2.92mm
AT-MFAT03-24	Fixed	0	50	-10	3	2W	2.4mm
AT-MFAT06-24	Fixed	0	50	-10	6	2W	2.4mm
AT-MFAT10-24	Fixed	0	50	-10	10	2W	2.4mm
AT-MFAT20-24	Fixed	0	50	-10	20	2W	2.4mm
AT-MFAT30-24	Fixed	0	50	-10	30	0.5W	2.4mm
AT-MFAT03-18	Fixed	0	65	-10	3	2W	1.85mm
AT-MFAT06-18	Fixed	0	65	-10	6	2W	1.85mm
AT-MFAT10-18	Fixed	0	65	-10	10	0.5W	1.85mm
AT-MFAT20-18	Fixed	0	65	-10	20	0.5W	1.85mm
AT-MFAT30-18	Fixed	0	65	-10	30	0.5W	1.85mm
AT-MFAT03-10	Fixed	0	110	-10	3	2W	1.0mm
AT-MFAT06-10	Fixed	0	110	-10	6	2W	1.0mm
AT-MFAT10-10	Fixed	0	110	-10	10	2W	1.0mm
AT-MFAT20-10	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
AT-MFAT30-10	Fixed	0	110	-10	30	2W	1.0mm
AT-MFAT03-1029	Fixed	0	40	-10	3	0.5W	1.0mm
AT-MFAT06-1029	Fixed	0	40	-10	3	0.5W	1.0mm
AT-MFAT10-1029	Fixed	0	40	-10	10	0.5W	1.0mm
AT-MFAT20-1029	Fixed	0	40	-10	20	0.5W	1.0mm
AT-MFAT30-1029	Fixed	0	40	-10	30	0.5W	1.0mm
AT-MFAT03-1024	Fixed	0	50	-10	3	0.5W	1.0mm
AT-MFAT06-1024	Fixed	0	50	-10	10	0.5W	1.0mm
AT-MFAT10-1024	Fixed	0	50	-10	10	0.5W	1.0mm
AT-MFAT20-1024	Fixed	0	50	-10	20	0.5W	1.0mm
AT-MFAT30-1024	Fixed	0	50	-10	30	0.5W	1.0mm
AT-MFAT03-1018	Fixed	0	67	-10	3	0.5W	1.0mm
AT-MFAT06-1018	Fixed	0	67	-10	6	0.5W	1.0mm
AT-MFAT10-1018	Fixed	0	67	-10	10	0.5W	1.0mm
AT-MFAT20-1018	Fixed	0	67	-10	20	0.5W	1.0mm
AT-MFAT30-1018	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
AT-VVA-0526A-25	Analog	5	26.5	0-25	-4 to 0V	0.2W	SMA
AT-VVA-0526A-50	Analog	5	26.5	0-50	-4 to 0V	0.2W	SMA
AT-VVA-2050A-35	Analog	20	50	0-35	-4 to 0V	0.2W	2.4mm
AT-VVA-3067G-20	Analog	30	67	0-20	-1.2 to 0V	0.2W	1.85mm
AT-VVA-3067G-35	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
AT-5DAT-0040SN-30	Digital	0.01	40	0-31	5Bit, 1dB LSB	0.2W	2.92mm
AT-6DAT-0040SN-60	Digital	0.01	40	0-62	6Bit, 1dB LSB	0.2W	2.92mm
AT-3DAT-0040SN-30	Digital	0.01	40	0-30	3Bit, 10dB LSB	0.2W	2.92mm
AT-4DAT-0040SN-60	Digital	0.01	40	0-60	4Bit, 10dB LSB	0.2W	2.92mm
AT-5DAT-0040SN-90	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
AT-BTL-0018HC1	High Current	0.0001	18	-1.2	50	1	SMA
AT-BTL-0018HC2	High Current	0.0001	18	-1.5	50	2	SMA
AT-BTL-0040LF	Broadband	0.000009	40	-1.5	25	0.7	2.92mm
AT-BTL-0040HC	Broadband	0.00003	40	-1.5	25	0.75	2.92mm
AT-BTL-0050HC	Broadband	0.00003	50	-2	25	0.75	2.4mm
AT-BTL-0065LF	Broadband	0.000009	65	-2	16	0.25	1.85mm
AT-BTL-0070HC	Broadband	0.00003	70	-2	25	0.5	1.85mm
AT-BTL-110L1	Broadband	0.0003	110	-3.5	25	0.25	1.0mm
AT-DF-110L1	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
AT-C10-0R406	Directional	10dB	0.4	6	14	20W	SMA
AT-C20-0R406	Directional	20dB	0.4	6	14	20W	SMA
AT-C30-0R406	Directional	30dB	0.4	6	14	20W	SMA
AT-C10-0R508	Directional	10dB	0.5	8	14	20W	SMA
AT-C20-0R508	Directional	20dB	0.5	8	14	20W	SMA
AT-C10-0R518	Directional	10dB	0.5	18	14	20W	SMA
AT-C20-0R518	Directional	20dB	0.5	18	14	20W	SMA
AT-C30-0118	Directional	30dB	1	18	12	20W	SMA
AT-C30-0218	Directional	30dB	2	18	12	20W	SMA
AT-C10-0218	Directional	10dB	2	18	14	20W	SMA
AT-C20-0218	Directional	20dB	2	18	14	20W	SMA
AT-C10-0618	Directional	10dB	6	18	14	20W	SMA
AT-C20-0618	Directional	20dB	6	18	14	20W	SMA
AT-C30-0618	Directional	30dB	6	18	14	20W	SMA
AT-C16-0220	Directional	16dB	2	20	12	20W	SMA
AT-C20-0R540	Directional	20dB	0.5	40	10	20W	2.92mm
AT-C10-0140	Directional	10dB	1	40	10	20W	2.92mm
AT-C20-0140	Directional	20dB	1	40	10	20W	2.92mm
AT-C10-0640	Directional	10dB	6	40	10	20W	2.92mm
AT-C20-0640	Directional	20dB	6	40	10	20W	2.92mm
AT-C10-1840	Directional	10dB	18	40	15	20W	2.92mm
AT-C30-1840	Directional	30dB	18	40	10	20W	2.92mm
AT-C20-1840	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
AT-BC16-0009	Bridge Coupler	16	0.0002	9	20	1W	3.5mm
AT-BC16-0018	Bridge Coupler	16	0.0002	18	20	1W	3.5mm
AT-BC16-0026	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
AT-DC-29M29F	DC Block	0.00003	40	1.2	16	2.92mm
AT-DCLF-29M29F	DC Block	0.000009	40	1.2	10	2.92mm
AT-DC-24M24F	DC Block	0.00003	50	1.2	16	2.4mm
AT-DCLF-24M24F	DC Block	0.000009	50	1.2	10	2.4mm
AT-DC-18M18F	DC Block	0.00003	67	2	16	1.85mm
AT-DCLF-18M18F	DC Block	0.000009	67	2	10	1.85mm
AT-DC-10M10F	DC Block	0.00003	110	3.5	6.3	1.0mm
AT-DCHV-10M10F	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
AT-PD-0043E	Coaxial	Positive	0.5	43.5	-20 to +15	5	2.92mm
AT-PD-0267E	Coaxial	Positive	2	67	-15 to +15	5	1.85mm
AT-PD-0170L	Coaxial	Positive	1	70	-25 to +10	NO	1.85mm
AT-PD-5067VN1	Coaxial	Negative	50	67	-20 to -5	5	1.85mm
AT-PD-5070V	Coaxial	Positive	50	70	-25 to -5	NO	1.85mm
AT-PD-110A	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
AT-BPF-7.6M	BPF-Coaxial	0.0076	0.0073	0.0079	-4	SMA
AT-BPF-10M	BPF-Coaxial	0.01	0.0073	0.0079	-4	SMA
AT-BPF-100M-10	BPF-Coaxial	0.1	0.095	0.105	-2	SMA
AT-BPF-500M-40	BPF-Coaxial	0.5	0.48	0.52	-2	SMA
AT-BPF-900M-50	BPF-Coaxial	0.9	0.875	0.925	-4	SMA
AT-BPF-1.0G-50	BPF-Coaxial	1	0.975	1.025	-3	SMA
AT-BPF-1.5G-60	BPF-Coaxial	1.5	1.47	1.53	-3	SMA
AT-BPF-2.0G-70	BPF-Coaxial	2	1.97	2.03	-4	SMA
AT-BPF-2.4G-200	Narrow-band	2.4	2.3	2.5	-4	SMA
AT-BPF-2.5G-100	BPF-Coaxial	2.5	2.45	2.55	-4	SMA
AT-BPF-3.5G-200	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
AT-BPF-4.5G-200	Narrow-band	4.5	4.4	4.6	-2	SMA
AT-BPF-10.7G-2G	Narrow-band	10.7	9.7	11.7	-2	SMA
AT-BPF-5.5G-50	Narrow-band	5.5	5.475	5.525	-2	SMA
AT-BPF-11.7G-2G	Narrow-band	11.7	10.7	12.7	-2	SMA
AT-BPF-8.375G-750M	Narrow-band	8.375	8	8.7	-2	SMA
AT-BPF-9.375G-750M	Narrow-band	9.375	9	9.7	-2	SMA
AT-BPF-10.375G-750M	Narrow-band	10.375	10	10.7	-2	SMA
AT-BPF-11.375G-750M	Narrow-band	11.375	11	11.7	-2	SMA
AT-BPF-12.375G-750M	Narrow-band	12.375	12	12.7	-2	SMA
AT-BPF-27.75G-200	BPF-Coaxial	27.75	27.85	27.95	-4	SMA
AT-BPF-28.5G-200	BPF-Coaxial	28.5	28.4	28.6	-4	SMA
AT-BPF-0813	BPF-Coaxial	10.5	8.5	13.5	-1.5	SMA
AT-BPF-0812	BPF-Coaxial	10	8	12	-1.5	SMA
AT-BPF-0513	BPF-Coaxial	9	5	13	-1.5	SMA
AT-BPF-0810	BPF-Coaxial	9	8	10	-1.5	SMA
AT-BPF-1018	BPF-Coaxial	14	10	18	-1.5	SMA
AT-BPF-1113	BPF-Coaxial	12	11	13	-1.5	SMA
AT-BPF-1744TF1	BPF-Coaxial	30.5	17	44	-1.5	2.92mm
AT-BPF-1218	BPF-Coaxial	15	12	18	-1.5	SMA
AT-BPF-1726TF1	BPF-Coaxial	22	17.6	26.4	-1.5	2.92mm
AT-BPF-1832	BPF-Coaxial	25	18	32	-1.5	2.92mm
AT-BPF-1930TF1	BPF-Coaxial	25	19.2	30.6	-1.5	2.92mm
AT-BPF-2228TF2	BPF-Coaxial	25	22	28	-1.5	2.92mm
AT-BPF-2224	BPF-Coaxial	23	22	24	-1.5	SMA
AT-BPF-2332TF1	BPF-Coaxial	28	23	32	-1.5	2.92mm
AT-BPF-2438TF1	BPF-Coaxial	30	24.5	38	-1.5	2.4mm
AT-BPF-2432	BPF-Coaxial	28	24	32	-1.5	2.92mm
AT-BPF-2735TF1	BPF-Coaxial	31	27	35	-1.5	2.92mm
AT-BPF-2742TF2	BPF-Coaxial	34.75	27	42.5	-3	2.92mm
AT-BPF-2836	BPF-Coaxial	32	28	36	-1.5	2.92mm
AT-BPF-3240	BPF-Coaxial	36	32	40	-1.5	2.92mm
AT-BPF-3336	BPF-Coaxial	34.5	33	36	-2	2.92mm
AT-BPF-47G-4G	BPF-Coaxial	47	45	49	-2	2.4mm
AT-BPF-3751C	BPF-Coaxial	44	37	51	-2	2.4mm
AT-BPF-3657TF1	BPF-Coaxial	46.5	36	57	-2	1.85mm

Low-Pass Filter

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

High-Pass Filter

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

Diplexer

PN	Type	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
AT-DIP-0506	Diplexer	0-3	6.5-20	-1	SMA
AT-DIP-0304	Diplexer	0-3	4.0-20	-1	SMA

Band-Stop Filter

PN	Type	Center (GHz)	Freq Low (GHz)	Freq High (GHz)	IL (dB)	Connector
AT-BSF-24G	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
AT-EQ0006X-03	Equalizer	0	6	-3	-0.5	SMA
AT-EQ0006X-06	Equalizer	0	6	-6	-0.5	SMA
AT-EQ0018H-12	Equalizer	0	18	-12	-1	SMA
AT-EQ0020X-06	Equalizer	0	20	-6	-1	SMA
AT-EQ0020X2-12	Equalizer	0	20	-12	-2	SMA
AT-EQ0026W-06	Equalizer	0	26.5	-6	-1.2	SMA
AT-EQ0026W-10	Equalizer	0	26.5	-10	-1.2	SMA
AT-EQ0040W-06	Equalizer	0	40	-6	-2.2	2.92mm
AT-EQ0040W-10	Equalizer	0	40	-10	-2.2	2.92mm
AT-EQ0050W-06	Equalizer	0	50	-6	-2.2	2.4mm
AT-EQ0050W-10	Equalizer	0	50	-10	-3.2	2.4mm
AT-EQ0070W-06	Equalizer	0	70	-6	-2.5	1.85m
AT-EQ0070W-10	Equalizer	0	70	-10	-3	1.85m
AT-EQ0618X-06	Equalizer	6	18	-6	-1	SMA
AT-EQ1840H-06	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
AT-FD2-26S	Div 2	0.5	26.5	-10 to +8	5	0.1	10	SMA
AT-FD2-30S	Div 2	0.5	30	-10 to +8	5	0.1	12	2.92mm
AT-FD2-38L	Div 2	0.5	38	-10 to +8	5	0.1	14	2.92mm
AT-FD3-15S	Div 3	0.1	15	-10 to +8	5	0.1	15	SMA
AT-FD4-26L	Div 4	0.5	26.5	-10 to +8	5	0.1	16	2.92mm
AT-FD4-40L	Div 4	0.5	40	-10 to +8	5	0.1	18	2.92mm
AT-FD5-15S	Div 5	0.1	15	-10 to +8	5	0.1	19	SMA
AT-FD8-26L	Div 8	0.5	26.5	-10 to +8	5	0.1	20	2.92mm
AT-FD8-38L	Div 8	0.5	38	-10 to +8	5	0.1	22	2.92mm
AT-FD10-30S2	Div 10	0.5	30	-10 to +8	5	0.1	24	2.92mm
AT-FD16-26L2	Div 16	0.5	26.5	-10 to +8	5	0.1	26	2.92mm
AT-FD16-40L2	Div 16	0.5	40	-10 to +8	5	0.1	28	2.92mm
AT-FD24-30S2	Div 24	0.5	30	-10 to +8	5	0.1	29	2.92mm
AT-FD32-26L2	Div 32	0.5	26.5	-10 to +8	5	0.1	30	2.92mm
AT-FD32-40L2	Div 32	0.5	40	-10 to +8	5	0.1	32	2.92mm
AT-FD40-30S2	Div 40	0.5	30	-10 to +8	5	0.1	34	2.92mm
AT-FD64-26L2	Div 64	0.5	26.5	-10 to +8	5	0.1	36	2.92mm
AT-FD64-38L2	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
AT-FDN128-26S	N=1-128	0.5	26.5	-10 to +8	5	0.1	2.92mm
AT-FDN512-40LS	N=4-512	0.5	40	-10 to +8	5	0.1	2.92mm
AT-FDN1024-38LS	N=8-1024	0.5	38	-10 to +8	5	0.1	2.92mm
AT-FDN-54AS2-FD	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
AT-HD90-1M30M-S	90 Degree	1M	30M	-1.5	18	0.6	5	SMA
AT-HD90-5M65M-S	90 Degree	5M	65M	-1.5	18	0.6	5	SMA
AT-H90-30M88M-S	90 Degree	30M	88M	-1.5	18	0.6	5	SMA
AT-HD90-30M100M-S	90 Degree	30M	100M	-1.5	18	0.6	5	SMA
AT-H90-100M520M-S	90 Degree	100M	520M	-1.5	18	0.6	5	SMA
AT-H90-0320R	90 Degree	0.3	2	-1.5	18	0.6	5	SMA
AT-H90-0510R	90 Degree	0.5	1	-0.8	20	0.4	3	SMA
AT-H90-0R508	90 Degree	0.5	8	-0.8	18	0.8	8	SMA
AT-H90-0613R	90 Degree	0.65	1.3	-0.8	20	0.4	3	SMA
AT-H90-0106	90 Degree	1	6	-0.8	20	0.7	5	SMA
AT-H90-0118	90 Degree	1	18	-1.5	15	1.2	12	SMA
AT-H90-0218	90 Degree	2	18	-1.3	16	0.7	10	SMA
AT-H90-0226	90 Degree	2	26.5	-1.3	10	1.5	12	SMA
AT-H90-0240	90 Degree	2	40	-1.3	10	1.5	12	2.92mm
AT-H90-0418	90 Degree	4	18	-1	16	0.6	5	SMA
AT-H90-0618	90 Degree	6	18	-1	16	0.6	5	SMA
AT-H90-1840	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
AT-H180-0102	180 Degree	1	2	-0.5	20	0.5	5	SMA
AT-H180-0118	180 Degree	1	18	-1.8	20	0.5	5	SMA
AT-H180-0218	180 Degree	2	18	-2.3	20	1.5	12	SMA
AT-H180-0626	180 Degree	6	26.5	-1.5	18	0.8	8	SMA
AT-H180-1840	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
AT-MIX-0044G	Active	0.01	44	44	44	0.01-4	3	-10	2.92mm
AT-MIX-0044HG	Active	0.01	44	44	44	0.01-0.5	3	10	2.92mm
AT-MIX-0050G	Active	0.01	50	50	50	0.01-4	3	-10	2.4mm
AT-MIX-0050HG	Active	0.01	50	50	50	0.01-0.5	3	10	2.4mm
AT-MIX-0067G	Active	0.01	67	67	67	0.01-4	3	-10	1.85mm
AT-MIX-0067HG	Active	0.01	67	67	67	0.01-0.5	3	10	1.85mm
AT-MIX-0222A	Balance	2	22	22	22	DC-3.5	13	-8	SMA
AT-MIX-0312A	Balance	3	2	12	12	DC-4	15	-8	SMA
AT-MIX-0626A	Balance	6	26.5	26.5	26.5	DC-6	15	-8	SMA
AT-MIX-0743A	Balance	7	43	43	43	DC-10	15	-8	2.92mm
AT-MIX-1246A	Balance	12	46	46	46	DC-16	15	-10	2.4mm
AT-MIX-1850A	Balance	18	50	50	50	DC-22	15	-10	2.4mm
AT-MIX-1865A	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
AT-3MIX-1844L	Tx/Rx Coaxial	18	44	-10	2.92mm
AT-4MIX-1844L	Tx/Rx Coaxial	18	44	-10	2.92mm
AT-4MIX-1844H	Tx/Rx Coaxial	18	44	-10	2.92mm
AT-4MIX-1850L	Tx/Rx Coaxial	18	50	-10	2.4mm
AT-4MIX-3765HV	Tx/Rx Coaxial	37	65	-10	1.85mm
AT-4IQM-1844H	Tx/Rx Coaxial	18	44	-10	2.92mm
AT-4IQM-1850H	Tx/Rx Coaxial	18	50	-10	2.4mm
AT-4IQM-3765HV	Tx/Rx Coaxial	37	65	-10	1.85mm

Oscillator

VCO Module

PN	Type	Freq Range (GHz)	Phase Noise 100kHz	Vtune (V)	Pout	Connector
AT-VCO-2.4A-13X	Narrowband	2.3-2.5	-110	0 to 10	13	SMA
AT-VCO-3580RX	Broadband	3.5-8	-100	0 to 18	5	SMA
AT-VCO-3580RX-20	Broadband	3.5-8	-100	0 to 18	20	SMA
AT-VCO-0408A	Broadband	4-8	-100	0 to 18	3	SMA
AT-VCO-0408A-20	Broadband	4-8	-100	0 to 18	20	SMA
AT-VCO-0510A	Broadband	5-10	-95	0 to 18	3	SMA
AT-VCO-0510A-20	Broadband	5-10	-95	0 to 18	20	SMA
AT-VCO-0612A	Broadband	6-12	-95	0 to 23	0	SMA
AT-VCO-0612A-15	Broadband	6-12	-95	0 to 18	15	SMA
AT-VCO-0812X	Broadband	8-12	-90	0 to 23	5	SMA
AT-VCO-0812X-20	Broadband	8-12	-90	0 to 23	20	SMA
AT-VCO-0816A	Broadband	8-16	-90	0 to 23	3	SMA
AT-VCO-0816A-20	Broadband	8-16	-90	0 to 23	20	SMA
AT-VCO-10A1	Narrowband	9.5-10.8	-110	1-13	10	SMA
AT-VCO-1020A	Broadband	10-20	-90	0 to 23	0	SMA
AT-VCO-1020A-10	Broadband	10-20	-90	0 to 23	10	SMA
AT-VCO-1020A-13	Broadband	10-20	-90	0 to 23	13	SMA
AT-VCO-1020A-18	Broadband	10-20	-90	0 to 23	18	SMA
AT-VCO-12A1	Narrowband	11.1-12.4	-110	1-13	8	SMA
AT-VCO-13A1	Narrowband	12.4-13.7	-110	1-13	8	SMA
AT-VCO-15A1	Narrowband	14.25-15.65	-110	1-13	8	SMA
AT-VCO-1922S	Narrowband	19.5-22.5	-100	0-5	3	SMA
AT-VCO-2040A-20	Broadband	20-40	-84	0 to 23	20	2.92mm
AT-VCO-2124S	Narrowband	21-24	-100	0-5	3	SMA
AT-VCO-2327S	Narrowband	23.5-26.8	-100	0-5	3	SMA
AT-VCO-2428S	Narrowband	24.5-28.5	-100	0-5	3	SMA
AT-VCO-3350A-20-24F	Broadband	33-50	-72	1-13	20	2.4mm
AT-VCO-3350X-22-24F	Broadband	33-50	-72	1-13	22	2.4mm
AT-VCO-4065A-18VC	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
AT-OCXO-100M-X1	OCXO	0.1	-	-165	-	12	SMA
AT-PDRO-2.4GHz-IR	PDRO	2.4	-	-131	-	12	SMA
AT-PDRO-5GHz-IR	PDRO	5	-	-120	-	12	SMA
AT-PDRO-6.4GHz-IR	PDRO	6.4	-	-120	-	12	SMA
AT-PDRO-6.8GHz-IR	PDRO	6.8	-	-120	-	12	SMA
AT-PDRO-9GHz-IR	PDRO	9	-	-120	-	12	SMA
AT-PDRO-9.4GHz-IR	PDRO	9.4	-	-120	-	12	SMA
AT-PDRO-10GHz-IR	PDRO	10	-	-120	-	12	SMA
AT-PDRO-10.75GHz-IR	PDRO	10.75	-	-120	-	12	SMA
AT-PDRO-10.24GHz-IR	PDRO	10.24	-	-120	-	12	SMA
AT-PDRO-11GHz-IR	PDRO	11	-	-120	-	12	SMA
AT-PDRO-11.5GHz-IR	PDRO	11.5	-	-120	-	12	SMA
AT-PDRO-11.275GHz-IR	PDRO	11.275	-	-120	-	12	SMA
AT-PDRO-12.5GHz-IR	PDRO	12.5	-	-120	-	12	SMA
AT-PDRO-12.8GHz-IR	PDRO	12.8	-	-120	-	12	SMA
AT-PDRO-12GHz-IR	PDRO	12	-	-120	-	12	SMA
AT-PDRO-13.5GHz-IR	PDRO	13.5	-	-118	-	12	SMA
AT-PDRO-13.75GHz-IR	PDRO	13.75	-	-118	-	12	SMA
AT-PDRO-14.375GHz-IR	PDRO	14.375	-	-118	-	12	SMA
AT-PDRO-13.125GHz-IR	PDRO	13.125	-	-118	-	12	SMA
AT-PDRO-15.033GHz-IR	PDRO	15.033	-	-118	-	12	SMA
AT-PDRO-16.5GHz-IR	PDRO	16.5	-	-114	-	12	SMA
AT-PDRO-17.5GHz-IR	PDRO	17.5	-	-114	-	12	SMA
AT-PDRO-17.05GHz-IR	PDRO	17.05	-	-114	-	12	SMA
AT-PDRO-20GHz-IR	PDRO	20	-	-113	-	12	SMA
AT-PDRO-24GHz-IR	PDRO	24	-	-112	-	12	SMA
AT-PDRO-24.5GHz-IR	PDRO	24.5	-	-110	-	12	SMA
AT-PDRO-29.4GHz-IR	PDRO	29.4	-	-104	-	12	2.92mm
AT-PDRO-28GHz-IR	PDRO	28	-	-104	-	12	2.92mm
AT-PDRO-32GHz-IR	PDRO	32	-	-104	-	12	2.92mm
AT-PDRO-35GHz-IR	PDRO	35	-	-102	-	12	2.92mm
AT-PDRO-36.7GHz-IR	PDRO	36.7	-	-102	-	12	2.92mm
AT-PDRO-38.37GHz-IR	PDRO	38.37	-	-102	-	12	2.92mm
AT-PDRO-39GHz-IR	PDRO	39	-	-102	-	12	2.92mm
AT-PDRO-40GHz-IR	PDRO	40	-	-102	-	12	2.92mm
AT-PDRO-42GHz-IR	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
AT-APS-0102-360	Analog	1	2	0-360	0 to 14V	SMA
AT-APS-0204-360	Analog	2	4	0-360	0 to 14V	SMA
AT-APS-0207-180	Analog	2	7	0-180	0 to 14V	SMA
AT-APS-0207-360S2	Analog	2	7	0-360	0 to 14V	SMA
AT-APS-0306-360	Analog	3	6	0-360	0 to 14V	SMA
AT-APS-0313-180	Analog	3	13	0-180	0 to 14V	SMA
AT-APS-0313-360S2	Analog	3	13	0-360	0 to 14V	SMA
AT-APS-0618-180	Analog	6	18	0-180	0 to 14V	SMA
AT-APS-0618-360S2	Analog	6	18	0-360	0 to 14V	SMA
AT-APS-0618-720S4	Analog	6	18	0-720	0 to 14V	SMA
AT-APS-0812-360	Analog	8	12	0-360	0 to 14V	SMA
AT-APS-1218-360	Analog	12	18	0-360	0 to 14V	SMA
AT-APS-1826-360	Analog	18	26.5	0-360	0 to 14V	SMA
AT-APS-2431-360	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
AT-6DPS-0406R-360WCP	Digital	0.4	0.6	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-0820R-360NCP	Digital	0.8	2	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-1827R-360HCP	Digital	1.8	2.7	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-0206-360NCP	Digital	2	6	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-0218-360WCP	Digital	2	18	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-2636R-360HCP	Digital	2.6	3.6	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-4554R-360HCP	Digital	4.5	5.4	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-0618-360NCP	Digital	6	18	0-360	6bit, 5.625 LSB	SMA
AT-7DPS-0618-360HCP	Digital	6	18	0-360	7bit 2.8125 LSB	SMA
AT-6DPS-0812-360HCP	Digital	8	12	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-1218-360HCP	Digital	12	18	0-360	6bit, 5.625 LSB	SMA
AT-6DPS-1840-360WCP	Digital	18	40	0-360	6bit, 5.625 LSB	2.92mm
AT-6DPS-2429-360NCP	Digital	24	29.5	0-360	6bit, 5.625 LSB	2.92mm
AT-6DPS-2932-360NCP	Digital	29	32	0-360	6bit, 5.625 LSB	2.92mm
AT-6DPS-3040-360NCP	Digital	30	40	0-360	6bit, 5.625 LSB	2.92mm
AT-6DPS-4246-360NCP	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
AT-PD2-0R506	2 Ways	0.5	6	-1.2	+/-0.4	+/-5	SMA
AT-PD2-0R518	2 Ways	0.5	18	-0.9	+/-0.3	+/-5	SMA
AT-PD2-0R540	2 Ways	0.5	40	-2	+/-0.8	+/-8	2.92mm
AT-PD2-0126	2 Ways	1	26.5	-1.2	+/-0.5	+/-6	SMA
AT-PD2-0140	2 Ways	1	40	-2.2	+/-0.5	+/-8	2.92mm
AT-PD2-0240	2 Ways	2	40	-2.2	+/-0.5	+/-8	2.92mm
AT-PD2-0250	2 Ways	2	50	-2.2	+/-0.5	+/-8	2.4mm
AT-PD2-0150	2 Ways	1	50	-2.2	+/-0.5	+/-8	2.4mm
AT-PD2-0218	2 Ways	2	18	-1.2	+/-0.4	+/-5	SMA
AT-PD2-0440	2 Ways	4	40	-1	+/-0.4	+/-8	2.92mm
AT-PD2-0450	2 Ways	4	50	-1	+/-0.4	+/-8	2.4mm
AT-PD2-0460	2 Ways	4	60	-1	+/-0.4	+/-8	1.85mm
AT-PD2-0618	2 Ways	6	18	-0.8	+/-0.3	+/-5	SMA
AT-PD2-0640	2 Ways	6	40	-1.5	+/-0.4	+/-8	2.92mm
AT-PD2-0665	2 Ways	6	65	-3	+/-1.0	+/-12	1.85mm
AT-PD2-1026	2 Ways	10	26.5	-1.5	+/-0.4	+/-8	SMA
AT-PD2-1840	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
AT-PD4-0R506	4 Ways	0.5	6	-2	+/-0.4	+/-5	SMA
AT-PD4-0R518	4 Ways	0.5	18	-2.5	+/-0.4	+/-8	SMA
AT-PD4-0118	4 Ways	1	18	-2.5	+/-0.4	+/-8	SMA
AT-PD4-0218	4 Ways	2	18	-1.8	+/-0.4	+/-6	SMA
AT-PD4-0618	4 Ways	6	18	-1.8	+/-0.4	+/-6	SMA
AT-PD4-0140	4 Ways	1	40	-5.2	+/-0.8	+/-12	2.92mm
AT-PD4-0240	4 Ways	2	40	-5.2	+/-0.8	+/-12	2.92mm
AT-PD4-0640	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
AT-PD8-0R506	8 Ways	0.5	6	-3.5	+/-0.8	+/-12	SMA
AT-PD8-0R518	8 Ways	0.5	18	-6.5	+/-0.8	+/-12	SMA
AT-PD8-0118	8 Ways	1	18	-4	+/-0.5	+/-10	SMA
AT-PD8-0218	8 Ways	2	18	-6	+/-0.8	+/-12	SMA
AT-PD8-0618	8 Ways	6	18	-3.2	+/-0.5	+/-8	SMA
AT-PD8-0640	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
AT-PD16-1840	16 Ways	18	40	-3.5	+/-0.5	+/-6	2.92mm
AT-PD16-1215	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
AT-RPD2-0040	Resistor	0	40	-7	+/-0.3	+/-4	2.92mm
AT-RPD2-0050	Resistor	0	50	-8	+/-0.8	+/-7	2.4mm
AT-RPD2-0067	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
AT-SPST-0.118GF1	Reflective	SPST	0.1	18	-2	80	SMA
AT-SPST-0.140GA1	Absorptive	SPST	0.1	40	-4	65	2.92mm
AT-SPDT-0.118GA1	Absorptive	SPDT	0.1	18	-3	65	SMA
AT-SPDT-0.140GA1	Absorptive	SPDT	0.1	40	-4	65	2.92mm
AT-SPDT-0.540GA1	Absorptive	SPDT	0.5	40	-2.5	65	2.92mm
AT-SPDT-0220GXH-R	Absorptive	SPDT	2	20	-1.5	40	SMA
AT-SPDT-0650GC1	Absorptive	SPDT	6	50	-7.5	45	2.4mm
AT-SP3T-0.120GA1	Absorptive	SP3T	0.1	20	-2	80	SMA
AT-SP3T-0.140GA1	Absorptive	SP3T	0.1	40	-4	65	2.92mm
AT-SP3T-0.540GC2	Absorptive	SP3T	0.5	40	-2.5	65	2.92mm
AT-SP4T-0.140GA1	Absorptive	SP4T	0.1	40	-4	65	2.92mm
AT-SP4T-0.518GA2	Absorptive	SP4T	0.5	18	-2.5	80	SMA
AT-SP4T-1040XL-R	Absorptive	SP4T	10	40	-4	40	2.92mm
AT-SP5T-0.118GA1	Absorptive	SP5T	0.1	18	-4	65	SMA
AT-SP6T-0.118GA1	Absorptive	SP6T	0.1	18	-4	65	SMA
AT-SP8T-0.118GA1	Absorptive	SP8T	0.1	18	-4	80	SMA
AT-SP8T-0.540GA1	Absorptive	SP8T	0.5	40	-8	45	2.92mm
AT-SP8T-0.544GA1	Absorptive	SP8T	0.5	44	-9	45	2.92mm
AT-SP8T-0.550GA1	Absorptive	SP8T	0.5	50	-12	45	2.4mm
AT-SP16T-0218GA1	Absorptive	SP16T	2	18	-6	80	SMA
AT-SP16T-1040XL-R	Reflective	SP16T	10	40	-6	40	2.92mm

Termination

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



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