

GaAs LNA

Model NO.	Frequency (GHz)	Gain (dB)	Noise Figure (Typ.dB)	P-1dB (dBm)	Replace Models
YTLA-0020-2.0	DC-20	13	2.0	16	HMC460, BW302
YTLA-0020-2.0A	DC-20	18	2.0	17	HMC460, BW302
YTLA-0112-1.7	1-12	15	1.7	9	HMC-ALH444
YTLA-0112D	1-12	19	1.6	16.5	HMC-ALH444
YTLA-0118-2.0	1-18	13	2.0	10	HMC1049、BW303
YTLA-0118B	1-18	16	1.6	9	HMC1049、BW303
YTLA-2735-0.5A	2.7-3.5	29	0.55	12	BW296
YTLA-0220-2.0	2-20	16	2.0	14	HMC462(HMC463)、BW303
YTLA-0408-1.2	4-8	26	1.2	15	NC10134C-408
YTLA-0408B	4-8	27	0.7	12	BW278
YTLA-0618-1.5	6-18	21.5	1.5	12	HMC903
YTLA-0618C	6-18	24	1.5	14.5	HMC516, AMMC6220
YTLA-0618D	6-18	21	1.3	17	HMC903
YTLA-0618E	6-18	21	1.5	17	HMC903
YTLA-0620-2.0	6-20	19	2.0	15	AMMC5620
YTLA-0715Q4	7-15	17	3.0	14	HMC3653LP3BE
YTLA-0812-0.9	8-12	21	0.9	8	NC1001C-812S
YTLA-0812C	8-12	28	1.0	1	NC10149C-812
YTLA-0812D	8-12	29	1.0	3	NC10149C-812
YTLA-1219-1.4	12-19	19	1.35	7	NC10175C-1219
YTLA-1823-1.8	18-23	21	1.8	5	HMC517
YTLA-1832-2.0	18-32	14	2.0	6	HMC519
YTLA-1840C	18-40	8	3.0	5	HMC-ALH445
YTLA-1840E	18-40	15	3.0	5	HMC-ALH445

GaAs UWB Distributed Amplifier

Model NO.	Frequency (GHz)	Gain (dB)	Noise Figure (Typ.dB)	P-1dB (dBm)	Replace Models
YTPA-0020-23	DC-20	16	3.0	21.5	HMC465
YTPA-0030-27	DC-30	16	4.0	26	HMC464、AMMC5025
YTPA-0040-22	DC-40	12	5.0	20	AMMC5024、HMC930
YTPA-0120-30	1-20	12	-	30	HMC797
YTPA-0218-28	2-18	13	-	27.5	CMM0015

GaAs Driver Amplifier

Model NO.	Frequency (GHz)	Gain (dB)	P-1dB (dBm)	Psat (dBm)	Replace Models
YTPA-0206-24	2-6	27	20.5	23	NC11312C-206
YTPA-0220-22	2-20	19.5	21	22	TGA-2526
YTPA-0520E	5-20	22	20	21	HMC451
YTPA-0620A	6-18	15	19	20	AMMC5618
YTPA-2045B	20-45	20	20.5	21.5	AMMC5040
YTPA-3337-29	33-37	15	28	29	NC11145C-3337

High Dynamic、Low Noise、Drive Amplifiers

Model NO.	Frequency (GHz)	Gain (dB)	Noise Figure (Typ.dB)	P-1dB (dBm)	Replace Models
YTPA-0120B	1-20	12	4.5	23	CMM0014
YTPA-0618A	6-18	10.5	3.0	19.5	WFD060180-L50P19

GaAs Power Amplifier

Model NO.	Frequency (GHz)	Gain (dB)	Psat (dBm)	PAE (%)	Replace Models
YTPA-1517-35A	15-17	26	35	36~39	NC11115C-1518

GaAs Mixer

Model NO.	RF/LO Frequency (GHz)	IF Frequency (GHz)	Conversion Loss (dB)	Replace Models
YTMX-0614	6-14	DC-5	7.5	HMC553
YTMX-1832	18-32	DC-10	9	HMC292
YTMX-2440	24-40	DC-10	9	HMC329

GaAs^{0°} Power Divider

Model NO.	Function	Frequency (GHz)	Insertion Loss (dB)	Isolation (dB)	Replace Models
YTPD-0118	2 dividers	1-18	1.5	22	BW498
YTPD-0206	2 dividers	2-6	0.7	28	BW492
YTPD-0218	2 dividers	2-18	1.0	22	BW497
YTPD-0618	2 dividers	6-18	0.4	29	BW494
YTPD-0618A	2 dividers	6-18	0.5	24	BW494
YTPD-0812	2 dividers	8-12	0.3	24	NC6529C-812
YTPD-1826	2 dividers	18-26	0.4	24	NC6524C-1826U

YTPD-1840	2 dividers	18-40	0.4	22	BW496
YTPD-2631	2 dividers	26-31	0.3	22	NC6514C-2631U
YTPD-3040	2 dividers	30-40	0.5	24	NC6517C-3436
YTPD-06183	3 dividers	6-18	0.5	25	BW1600
YTPD-08123	3 dividers	8-12	0.3	29	BW500
YTPD-12183	3 dividers	12-18	0.5	27	NC6526C-1218
YTPD-18403	3 dividers	18-40	0.8	15	NC6518-2040
YTPD-02184	4 dividers	2-18	2.0	20	BW509
YTPD-06184	4 dividers	6-18	1.0	22	BW508

GaAs Fixed Attenuator

Model NO.	Frequency (GHz)	Attenuation (dB)	Attenuation Accuracy (dB)	Replace Models
YTFA-00	DC-40	0	±0.3	BW100 / NC1338C-120Series/ ATN3580Series
YTFA-01	DC-40	1	±0.3	BW101 / NC1338C-120Series/ ATN3580Series
YTFA-02	DC-40	2	±0.3	BW102 / NC1338C-120Series/ ATN3580Series
YTFA-03	DC-40	3	±0.3	BW103 / NC1338C-120Series/ ATN3580Series
YTFA-04	DC-40	4	±0.3	NC1338C-120Series/ ATN3580Series
YTFA-05	DC-40	5	±0.3	BW104 / NC1338C-120Series/ ATN3580Series
YTFA-06	DC-40	6	±0.3	BW105 / NC1338C-120Series/ ATN3580Series
YTFA-10	DC-40	10	±0.4	BW106 / NC1338C-120Series/ ATN3580Series
YTFA-15	DC-40	15	±0.4	BW107/ NC1338C-120Series/ ATN3580Series
YTFA-20	DC-40	20	±0.4	BW100/ NC1338C-120Series/ ATN3580Series
YTFA-051	DC-40	0、0.5、1	±0.3	NC1338C-120Series

GaAs Digital Attenuator

Model NO.	Frequency (GHz)	Digit (bit)	Attenuation Range (dB)	Insertion Loss (dB)	Replace Models
YTDA-0020-6	0.1-20	6	0.5~31.5	5.8@18G	HMC939 / NC1324C-618

90° Bridge

Model NO.	Frequency (GHz)	Insertion Loss (dB)	Amplitude Imbalance (dB)	Phase Unbalance (°)	Isolation (dB)	Replace Models
YTC0812	8-12	0.5	±0.3	±1	46	NC6509C-812
YTC0618	6-18	0.8	±1.5	±3	21	NC6506C-618

Directional Coupler

Model NO.	Frequency (GHz)	Loss (dB)	Coupling Factor (dB)	Replace Models
YTDC-021815	2-18	0.9	15	BW548
YTDC-184015	18-40	0.5	15	NC6706C-1850

GaAs Filters

Model NO.	Type	Frequency (GHz)	Passband Loss (dB)	Replace Models
YTFL-0.5	LPF	DC-0.5	1.6	NC6601C-005
YTFL-1	LPF	DC-1	1.3	BWLF-1
YTFL-1.5	LPF	DC-1.5	1.3	BWLF-1R5
YTFL-2	LPF	DC-2	1.1	BWLF-2
YTFL-2.5	LPF	DC-2.5	2.2	BWLF-2R5
YTFL-3	LPF	DC-3	1.2	BWLF-3
YTFL-3.5	LPF	DC-3.5	1.5	BWLF-3R5
YTFL-4	LPF	DC-4	1.3	BWLF-4
YTFL-5	LPF	DC-5	1.7	BWLF-5
YTFL-6	LPF	DC-6	1.4	BWLF-6
YTFL-7	LPF	DC-7	1.5	BWLF-7
YTFL-8	LPF	DC-8	1.4	BWLF-8
YTFL-9	LPF	DC-9	1.7	BWLF-9
YTFL-10	LPF	DC-10	2.6	BWLF-10
YTFL-13	LPF	DC-13	2.2	NC6620C-013
YTFL-14	LPF	DC-14	2.3	BWLF-14
YTFL-17	LPF	DC-17	2.5	BWLF-17
YTFL-19	LPF	DC-19	1.7	BWLF-19
YTFL-0218	HPF	2-18	2.2	BWHF-2G
YTFL-0420	HPF	4-20	1.6	BWHF-4

YTFL-1923	BPF	19-23	2.0	NC6639C-1923
YTFL-2932B	BPF	29-32	2.0	NC6637C-2932
YTFL-3436	BPF	34-36	2.9	NC6625C-3436

GaAs FET Switch

Model NO.	Type	Frequency (GHz)	Insertion Loss (dB)	Isolation (dB)	Replace Models
YTSW-0018ST	SPST	DC-18	1.5	50	BW110 /NC16114C-118
YTSW-0020ST	SPST	DC-20	2.0	45	BW110 / NC1644C-120
YTSW-0040ST	SPST	DC-40	1.6	52	NC1608C-140
YTSW-0018DT	SPDT	DC-18	1.9	60	BW113 / NC1602C-118A/HMC347
YTSW-0020DT	SPDT	DC-20	2.0	35	NC1646C-120/HMC347
YTSW-2440DT	SPDT	24-40	2.0	35	NC1616C-2540

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