

Connecting the Earth to Space

XMW facilitates communication in the Earth and Space
with innovative SATCOM and extreme Microwave technologies.



SATCOM PRODUCT SUMMARY TABLE

LNB

Product	Part No.	Input Frequency	LO Frequency	LO Stability	NF / NT	Phase Noise @1KHz	Gain
C-band PLL LNB	R3000HA1	3.40 - 3.70 GHz	5.15GHz	±10KHz / ±25KHz	30K	-75dBc	62dB (typ)
C-band EXT LNB	R3000XA	3.40 - 4.20 GHz	5.15GHz	Phase Locked to EXT	20K	-75dBc	62dB (typ)
C-band EXT LNB	R3000XC	3.625 - 4.20 GHz	5.15GHz	Phase Locked to EXT	20K	-75dBc	62dB (typ)
C-band EXT LNB	R3000XD	3.385 - 3.45 GHz	4.40GHz	Phase Locked to EXT	20K	-75dBc	62dB (typ)
C-band EXT LNB	R3000XE	3.70 - 4.20 GHz	5.15GHz	Phase Locked to EXT	30K	-75dBc	62dB (typ)
C-band EXT LNB	R3000XI	4.50 - 4.80 GHz	5.95GHz	Phase Locked to EXT	30K	-75dBc	62dB (typ)
X-band Auto Ref LNB	R7000A	7.25 - 7.75 GHz	6.30GHz	Auto Switchable Ref	0.7dB	-75dBc	60dB (typ)
X-band PLL LNB, SMA	R7000S	7.25 - 7.75 GHz	6.30GHz	±10KHz / ±25KHz	0.7dB	-75dBc	60dB (typ)
Ku-band PLL LNB	R1000HA	11.70 - 12.20 GHz	10.75GHz	±10KHz / ±25KHz	0.8dB	-75dBc	60dB (typ)
Ku-band PLL LNB	R1000HA1	11.70 - 12.20 GHz	10.678GHz	±10KHz / ±25KHz	0.8dB	-75dBc	60dB (typ)
Ku-band PLL LNB	R1000HB	12.25 - 12.75 GHz	11.30GHz	±10KHz / ±25KHz	0.8dB	-75dBc	60dB (typ)
Ku-band PLL LNB	R1000HB1	12.20 - 12.70 GHz	11.25GHz	±10KHz / ±25KHz	0.8dB	-75dBc	60dB (typ)
Ku-band PLL LNB	R1000HC	10.95 - 11.70 GHz	10.00GHz	±10KHz / ±25KHz	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XA	11.70 - 12.20 GHz	10.75GHz	Phase Locked to EXT	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XA2	11.70 - 12.60 GHz	10.75GHz	Phase Locked to EXT	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XB	12.25 - 12.75 GHz	11.30GHz	Phase Locked to EXT	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XB2	12.00 - 12.75 GHz	11.05GHz	Phase Locked to EXT	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XC	10.95 - 11.70 GHz	10.00GHz	Phase Locked to EXT	0.8dB	-75dBc	60dB (typ)
Ku-band EXT LNB	R1000XD	11.45 - 11.95 GHz	10.50GHz	Phase Locked to EXT	0.8dB	-73dBc	60dB (typ)
Ku-band EXT LNB	R1000XE	11.45 - 12.20 GHz	10.50GHz	Phase Locked to EXT	0.8dB	-73dBc	60dB (typ)
Ku-band Auto Ref LNB	R1000AA	11.70 - 12.20 GHz	10.75GHz	Auto Switchable Ref	0.8dB	-73dBc	60dB (typ)
Ku Quad-band PLL LNB	RQ1000H	10.70 - 11.70 GHz	9.75GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
		10.95 - 11.70 GHz	10.00GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
		12.20 - 12.75 GHz	11.25GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
Ku Quad-band EXT LNB	RQ1000X	10.70 - 11.70 GHz	9.75GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
		10.95 - 11.70 GHz	10.00GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
		12.20 - 12.75 GHz	11.25GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
Ku Simul-band PLL LNB	RS1000H-1	10.70 - 11.70 GHz	9.75GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
Ku Simul-band PLL LNB	RS1000H-2	10.95 - 11.70 GHz	10.00GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	±10KHz / ±25KHz	0.8dB	-73dBc	55dB (typ)
Ku Simul-band EXT LNB	RS1000X-1	10.70 - 11.70 GHz	9.75GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
Ku Simul-band EXT LNB	RS1000X-2	10.95 - 11.70 GHz	10.00GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
		11.70 - 12.75 GHz	10.75GHz	Phase Locked to EXT	0.8dB	-73dBc	55dB (typ)
Ka-band DRO LNB	R9000A	18.20 - 19.20 GHz	17.25GHz	±2MHz	1.6dB	-50dBc	55dB (typ)
Ka-band DRO LNB	R9000B	19.20 - 20.20 GHz	18.25GHz	±2MHz	1.6dB	-50dBc	55dB (typ)
Ka-band DRO LNB	R9000C	20.20 - 21.20 GHz	19.25GHz	±2MHz	1.6dB	-50dBc	55dB (typ)
Ka-band DRO LNB	R9000D	21.20 - 22.20 GHz	20.25GHz	±2MHz	1.6dB	-50dBc	55dB (typ)
Ka-band DRO LNB	R9000K	19.80 - 20.20 GHz	18.85GHz	±2MHz	1.6dB	-50dBc	55dB (typ)
Ka-band PLL LNB	R9000HA	18.20 - 19.20 GHz	17.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band PLL LNB	R9000HB	19.20 - 20.20 GHz	18.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band PLL LNB	R9000HC	20.20 - 21.20 GHz	19.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band PLL LNB	R9000HC1	20.20 - 21.20 GHz	19.20GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band PLL LNB	R9000HD	21.20 - 22.20 GHz	20.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band PLL LNB	R9000HK	19.80 - 20.20 GHz	18.85GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band EXT LNB	R9000XA	18.20 - 19.20 GHz	17.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band EXT LNB	R9000XB	19.20 - 20.20 GHz	18.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band EXT LNB	R9000XC	20.20 - 21.20 GHz	19.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band EXT LNB	R9000XD	21.20 - 22.20 GHz	20.25GHz	±25KHz / ±50KHz	1.5dB	-70dBc	58dB (typ)
Ka-band Auto Ref LNB	R9215A-A	17.852-18.588 GHz	16.80GHz	±25KHz	1.5dB	-70dBc	58dB (typ)
Ka-band Auto Ref LNB	R9215A-B	18.372-19.300 GHz	17.40GHz	±25KHz	1.5dB	-70dBc	58dB (typ)
Ka Dual-band PLL LNB	RD9000HA1A2	A1:17.30 - 17.80 GHz A2:18.30 - 18.80 GHz	16.35GHz 17.35GHz	±25KHz ±25KHz	1.5dB 1.5dB	-70dBc -70dBc	58dB (typ) 58dB (typ)
Ka Dual-band PLL LNB	RD9000HBC	B:19.20 - 20.20 GHz C:20.20 - 21.20 GHz	18.25GHz 19.25GHz	±25KHz ±25KHz	1.5dB 1.5dB	-70dBc -70dBc	58dB (typ) 58dB (typ)
Ka Dual-band EXT LNB	RD9000XBC	B:19.20 - 20.20 GHz C:20.20 - 21.20 GHz	18.25GHz 19.25GHz	Phase Locked to EXT Phase Locked to EXT	1.5dB 1.5dB	-70dBc -70dBc	58dB (typ) 58dB (typ)
Ka Dual-band EXT LNB	RD9000XBC-ISO	B:19.20 - 20.20 GHz C:20.20 - 21.20 GHz	18.20GHz 19.20GHz	Phase Locked to EXT Phase Locked to EXT	1.6dB 1.6dB	-70dBc -70dBc	58dB (typ) 58dB (typ)

LNA

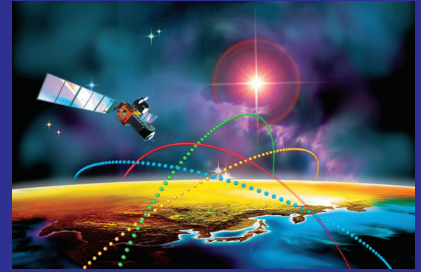
Product	Part No.	Frequency	NF	In / Out VSWR	Output P1dB	Gain	Input WG
X-band LNA, SMA	LA7000CS	7.25 - 7.75 GHz	0.8dB	2.0:1 / 2.0:1	10dBm	50dB	CPR112
Ku-band LNA, SMA	LA1000WS	10.95 - 12.75 GHz	0.8dB	2.0:1 / 2.0:1	8dBm	55dB	WR75
Ka-band LNA, SMA	LA9000AS	18.20 - 19.20 GHz	1.5dB	2.2:1 / 2.2:1	8dBm	55dB	WR42
Ka-band LNA, SMA	LA9000BS	19.20 - 20.20 GHz	1.5dB	2.2:1 / 2.2:1	8dBm	55dB	WR42
Ka-band LNA, SMA	LA9000CS	20.20 - 21.20 GHz	1.5dB	2.2:1 / 2.2:1	8dBm	55dB	WR42
Ka-band LNA, SMA	LA9000DS	21.20 - 22.20 GHz	1.5dB	2.2:1 / 2.2:1	8dBm	55dB	WR42

BDC

Product	Part No.	Input Frequency	LO Frequency	LO Stability	NF / NT	Phase Noise @1KHz	Gain
Ku-band BDC Airborne	BD1000DXA	10.70 - 12.75 GHz	9.75 / 10.60 GHz	Phase locked to Ext Ref	8dB	-72dBc	27±2dB
Ka-band BDC	BD9000XA	18.20 - 19.20 GHz	17.25GHz	Phase locked to Ext Ref	18dB	-65dBc	25±2dB
Ka-band BDC	BD9000XA1	18.30 - 19.30 GHz	17.35GHz	Phase locked to Ext Ref	18dB	-65dBc	25±2dB
Ka-band BDC	BD9000XB	19.20 - 20.20 GHz	18.25GHz	Phase locked to Ext Ref	18dB	-65dBc	25±2dB
Ka-band BDC	BD9000XC	20.20 - 21.20 GHz	19.25GHz	Phase locked to Ext Ref	18dB	-65dBc	25±2dB
Ka-band BDC	BD9000XD	21.20 - 22.20 GHz	20.25GHz	Phase locked to Ext Ref	18dB	-65dBc	25±2dB

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PRODUCT ALBUM



C-band PLL LNB
R3000H



C-band Ext Ref LNB
R3000X



X-band PLL LNB
R7000S



X-band AUTO LNB
R7000A



Ku band PLL LNB
R1000H



Ku-band EXT LNB
R1000X



Ku-band AUTO LNB
R1000A



Ku Quad-band PLL LNB
RQ1000H



Ku Quad-band EXT LNB
RQ1000X



Ku Simul-band PLL LNB
RS1000H



Ku Simul-band EXT LNB
RS1000X



Ka-band DRO LNB
R9000



Ka-band PLL LNB
R9000H



Ka-band EXT LNB
R9000X



Ka-band AUTO LNB
R9000A



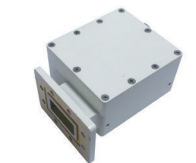
Ka Dual-band PLL LNB
RD9000HBC



Ka Dual-band EXT LNB
RD9000XBC



Ka Dual-band EXT LNB
RD9000XBC-ISO



X-band LNA
LA7000CS



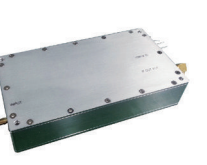
Ku-band LNA
LA1000WX



Ka-band LNA
LA9000S



Ka-band BDC
BD9000X



Ku-band BDC Airborne
BD1000DXA