

## Narrow Band Medium Power Amplifier

### FEATURES:

- ❖ Coverage From 0.3 to 97.0 GHz
- ❖ Removable Connectors
- ❖ Single Bias (+12 to +15VDC) Power Supply
- ❖ Compact/Rugged Thin-Film Construction
- ❖ Economically Priced



**CNM Series**

### DESCRIPTION:

Cernex's **CNM** series offers a complete line of solid state medium power amplifiers for a various applications such as line of sight, point to point, and point to multi point microwave and millimeter-wave radio transmitters.

### SPECIFICATIONS:

Model Number	Frequency Range (GHz)	Gain (dB) Min.	SS Flatness (+/-dB) Max.	NF (dB) Max.	P1dB (dBm) Min.	VSWR In/Out Max.	Current 12-15 VDC (mA) Typ.	Case Type
CNMU8U84927H	0.82-0.83	49	1.5	8.0	27.0	1.4	1000**	7.8 x 5.5 x 1.02
CNMU8U84930H	0.82-0.83	49	1.5	8.0	30.0	1.4	1500**	7.8 x 5.5 x 1.02
CNMU8U94927H	0.88-0.91	49	1.5	8.0	27.0	1.4	1000**	7.8 x 5.5 x 1.02
CNMU8U94930H	0.88-0.91	49	1.5	8.0	30.0	1.4	1500**	7.8 x 5.5 x 1.02
CNMU9013023	0.9-1.1	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNMU9013027	0.9-1.1	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNMU9013030	0.9-1.1	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130232	1.0-1.2	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130272	1.0-1.2	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130302	1.0-1.2	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130233	1.1-1.3	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130273	1.1-1.3	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130303	1.1-1.3	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130234	1.2-1.4	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130274	1.2-1.4	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130304	1.2-1.4	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130235	1.3-1.5	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130275	1.3-1.5	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130305	1.3-1.5	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130236	1.4-1.6	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130276	1.4-1.6	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130306	1.4-1.6	30	0.5	5.0	30.0	2:1	1000	LN5 ▲



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CNM010130237	1.5-1.7	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130277	1.5-1.7	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130307	1.5-1.7	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130238	1.6-1.8	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130278	1.6-1.8	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130308	1.6-1.8	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM010130239	1.7-1.9	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010130279	1.7-1.9	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010130309	1.7-1.9	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM01023023	1.8-2.0	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM01023027	1.8-2.0	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM01023030	1.8-2.0	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM01014927H	1.92-1.98	49	1.5	8.0	27.0	1.4	1000**	7.4 x 3.5 x4.00
CNM01014930H	1.92-1.98	49	1.5	8.0	30.0	1.4	1500**	7.4 x 3.5 x4.00
CNM010230231	1.9-2.1	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM010230271	1.9-2.1	30	0.5	4.0	27.0	2:1	700	LN4 ▲
CNM010230301	1.9-2.1	30	0.5	5.0	30.0	2:1	1000	LN5 ▲
CNM020230232	2.0-2.2	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230272	2.0-2.2	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230302	2.0-2.2	30	0.5	5.0	30.0	2:1	1000	LN5
CNM02024930H	2.11-2.17	49	1.5	8.0	30.0	1.4	1500**	6.73x3.62 x4.00
CNM020230233	2.1-2.3	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230273	2.1-2.3	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230303	2.1-2.3	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230234	2.2-2.4	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230274	2.2-2.4	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230304	2.2-2.4	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230235	2.3-2.5	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230275	2.3-2.5	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230305	2.3-2.5	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230236	2.4-2.6	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230276	2.4-2.6	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230306	2.4-2.6	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230237	2.5-2.7	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230277	2.5-2.7	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230307	2.5-2.7	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230238	2.6-2.8	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230278	2.6-2.8	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230308	2.6-2.8	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020230239	2.7-2.9	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020230279	2.7-2.9	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020230309	2.7-2.9	30	0.5	5.0	30.0	2:1	1000	LN5



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CNM02033023	2.8-3.0	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM02033027	2.8-3.0	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM02033030	2.8-3.0	30	0.5	5.0	30.0	2:1	1000	LN5
CNM020330231	2.9-3.1	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM020330271	2.9-3.1	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM020330301	2.9-3.1	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330231	3.0-3.2	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330271	3.0-3.2	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330301	3.0-3.2	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330233	3.1-3.3	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330273	3.1-3.3	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330303	3.1-3.3	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330234	3.2-3.4	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330274	3.2-3.4	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330304	3.2-3.4	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330235	3.3-3.5	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330275	3.3-3.5	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330305	3.3-3.5	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330236	3.4-3.6	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330276	3.4-3.6	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330306	3.4-3.6	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330237	3.5-3.7	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330277	3.5-3.7	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330307	3.5-3.7	30	0.5	5.0	30.0	2:1	1000	LN5
CNM030330238	3.6-3.8	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM030330278	3.6-3.8	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM030330308	3.6-3.8	30	0.5	5.0	30.0	2:1	1000	LN5
CNM03043023	3.7-4.2	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM03043027	3.7-4.2	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM03043030	3.7-4.2	30	0.5	5.0	30.0	2:1	1000	LN5
CNM04053023	4.4-5.0	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM04053027	4.4-5.0	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM04053030	4.4-5.0	30	0.5	5.0	30.0	2:1	1000	LN5
CNM05053023	5.3-5.9	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM05053027	5.3-5.9	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM05053030	5.3-5.9	30	0.5	5.0	30.0	2:1	750	LN5
CNM05063023	5.9-6.4	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM05063027	5.9-6.4	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM05063030	5.9-6.4	30	0.5	5.0	30.0	2:1	1000	LN5
CNM06073023	6.4-7.2	30	0.5	3.0	23.0	2:1	350	LN4 ▲
CNM06073027	6.4-7.2	30	0.5	4.0	27.0	2:1	700	LN5 ▲
CNM06073030	6.4-7.2	30	0.5	5.0	30.0	2:1	1000	LN5 ▲



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CNM07073023	7.2-7.8	30	0.5	4.0	23.0	2:1	350	LN4 ▲
CNM07073027	7.2-7.8	30	0.5	5.0	27.0	2:1	700	LN5 ▲
CNM07073030	7.2-7.8	30	0.5	6.0	30.0	2:1	1000	LN5 ▲
CNM07083023	7.9-8.4	30	0.5	4.0	23.0	2:1	350	LN4 ▲
CNM07083027	7.9-8.4	30	0.5	5.0	27.0	2:1	700	LN5 ▲
CNM07083030	7.9-8.4	30	0.5	6.0	30.0	2:1	1000	LN5 ▲
CNM08093023	8.5-9.6	30	1.0	4.0	23.0	2:1	350	LN4 ▲
CNM08093027	8.5-9.6	30	1.0	5.0	27.0	2:1	700	LN5 ▲
CNM08093030	8.5-9.6	30	1.0	6.0	30.0	2:1	1000	LN5 ▲
CNM09093023	9.0-9.5	30	0.5	4.0	23.0	2:1	350	LN4 ▲
CNM09093027	9.0-9.5	30	0.5	5.0	27.0	2:1	700	LN5 ▲
CNM09093030	9.0-9.5	30	0.5	6.0	30.0	2:1	1000	LN5 ▲
CNM09103023	9.5-10.5	30	1.0	4.0	23.0	2:1	350	LN4 ▲
CNM09103027	9.5-10.5	30	1.0	5.0	27.0	2:1	700	LN5 ▲
CNM09103030	9.5-10.5	30	1.0	6.0	30.0	2:1	1000	LN5 ▲
CNM10102525	10.55-10.85	25	2.5	5.0	25.0	2:1	500	HN4
CNM10113023	10.7-11.7	30	1.0	4.0	23.0	2:1	350	LN4 ▲
CNM10113027	10.7-11.7	30	1.0	5.0	27.0	2:1	800	LN5 ▲
CNM10113030	10.7-11.7	30	1.0	6.0	30.0	2:1	1100	LN5 ▲
CNM11123023	11.7-12.2	30	1.0	4.0	23.0	2:1	350	LN4 ▲
CNM11123027	11.7-12.2	30	1.0	5.0	27.0	2:1	800	LN5 ▲
CNM11123030	11.7-12.2	30	1.0	6.0	30.0	2:1	1100	LN5 ▲
CNM12123023	12.2-12.7	30	0.5	4.0	23.0	2:1	350	LN4 ▲
CNM12123027	12.2-12.7	30	0.5	5.0	27.0	2:1	800	LN5 ▲
CNM12123030	12.2-12.7	30	0.5	6.0	30.0	2:1	1100	LN5 ▲
CNM12133023	12.7-13.2	30	0.5	4.0	23.0	2:1	350	LN4 ▲
CNM12133027	12.7-13.2	30	0.5	5.0	27.0	2:1	800	LN5 ▲
CNM12133030	12.7-13.2	30	0.5	6.0	30.0	2:1	1100	LN5 ▲
CNM13143023	13.2-14.2	30	1.0	4.0	23.0	2:1	400	LN4 ▲
CNM13143027	13.2-14.2	30	1.0	5.0	27.0	2:1	800	LN5 ▲
CNM13143030	13.2-14.2	30	1.0	6.0	30.0	2:1	1100	LN5 ▲
CNM14143023	14.0-14.5	30	1.0	4.0	23.0	2:1	400	LN4 ▲
CNM14143027	14.0-14.5	30	1.0	5.0	27.0	2:1	800	LN5 ▲
CNM14143030	14.0-14.5	30	1.0	6.0	30.0	2:1	1100	LN5 ▲
CNM14153023	14.5-15.3	30	1.0	4.0	23.0	2:1	400	LN4 ▲
CNM14153027	14.5-15.3	30	1.0	5.0	27.0	2:1	800	LN5 ▲
CNM14153030	14.5-15.3	30	1.0	6.0	30.0	2:1	1100	LN5 ▲
CNM15153023	15.5-16.5	30	1.0	5.0	23.0	2:1	400	LN4 ▲
CNM15153027	15.5-16.5	30	1.0	6.0	27.0	2:1	800	LN5 ▲
CNM15153030	15.5-16.5	30	1.0	7.0	30.0	2:1	1100	LN5 ▲
CNM16173023	16.5-17.5	30	1.0	5.0	23.0	2:1	400	LN5 ▲
CNM16173027	16.5-17.5	30	1.0	6.0	27.0	2:1	800	LN5 ▲



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CNM16173030	16.5-17.5	30	1.0	7.0	30.0	2:1	1100	LN5 ▲
CNM17193023	17.7-19.7	30	1.0	5.0	23.0	2:1typ	400	LN4 ▲
CNM17193027	17.7-19.7	30	1.0	6.0	27.0	2:1typ	800	LN5 ▲
CNM17193030	17.7-19.7	30	1.0	7.0	30.0	2:1typ	1500	LN5 ▲
CNM18183023	18.1-18.6	30	1.0	5.0	23.0	2:1	400	LN4 ▲
CNM18183027	18.1-18.6	30	1.0	6.0	27.0	2:1typ	800	MN3
CNM18183030	18.1-18.6	30	1.0	7.0	30.0	2:1typ	1500	MN3
CNM18193023	18.3-19.4	30	1.0	5.0	23.0	2:1typ	400	MN3
CNM18193927	18.3-19.4	30	1.0	6.0	27.0	2:1typ	800	MN3
CNM18193030	18.3-19.4	30	1.0	7.0	30.0	2:1typ	1500	MN3
CNM19203023	19.2-20.2	30	1.0	5.0	23.0	2:1typ	500	MN3
CNM19203027	19.2-20.2	30	1.0	6.0	27.0	2:1typ	800	MN3
CNM19203030	19.2-20.2	30	1.0	7.0	30.0	2:1typ	1500	MN3
CNM20213023	20.0-21.6	30	1.0	6.0	23.0	2:1typ	500	MN3
CNM20213027	20.0-21.6	30	1.0	7.0	27.0	2:1typ	800	MKP4
CNM20213030	20.0-21.6	30	1.0	8.0	30.0	2:1typ	1500	MKP4
CNM21233023	21.2-23.6	30	1.0	6.0	23.0	2:1typ	500	MN3
CNM21233027	21.2-23.6	30	1.0	7.0	27.0	2:1typ	800	MKP4
CNM21233030	21.2-23.6	30	1.0	8.0	30.0	2:1typ	1500	MKP4
CNM23243023	23.2-24.6	30	1.0	6.0	23.0	2:1typ	500	MN3
CNM23243027	23.2-24.6	30	1.0	7.0	27.0	2:1typ	800	MKP4
CNM23243030	23.2-24.6	30	1.0	8.0	30.0	2:1typ	1500	MKP4
CNM24253023	24.2-25.6	30	1.0	7.0	23.0	2:1typ	1000	MN3
CNM24253027	24.2-25.6	30	1.0	8.0	27.0	2:1typ	1500	MKP4
CNM24253030	24.2-25.6	30	1.0	9.0	30.0	2:1typ	2000	MKP4
CNM25263023	25.2-26.6	30	1.0	8.0	23.0	2:1typ	1000	MN3
CNM25263027	25.2-26.6	30	1.0	9.0	27.0	2:1typ	1500	MKP4
CNM25263030	25.2-26.6	30	1.0	10.0	30.0	2:1typ	2000	MKP4
CNM25273023	25.0-27.5	30	1.0	8.0	23.0	2:1typ	1000	MK3
CNM25273027	25.0-27.5	30	1.0	9.0	27.0	2:1typ	1500	MKP4
CNM25273030	25.0-27.5	30	1.0	10.0	30.0	2:1typ	2000	MKP4
CNM27283023	27.5-28.5	30	1.0	8.0	23.0	2:1typ	1000	MK3
CNM27283027	27.5-28.5	30	1.0	9.0	27.0	2:1typ	1500	MKP4
CNM27283030	27.5-28.5	30	1.0	10.0	30.0	2:1typ	2000	MKP4
CNM28293023	28.5-29.5	30	1.0	8.0	23.0	2:1typ	1000	MK3
CNM28293027	28.5-29.5	30	1.0	9.0	27.0	2:1typ	1500	MKP4
CNM28293030	28.5-29.5	30	1.0	10.0	30.0	2:1typ	2000	MKP4
CNM29303023	29.0-30.5	30	1.0	8.0	23.0	2:1typ	1000	MK3
CNM29303027	29.0-30.5	30	1.0	9.0	27.0	2:1typ	1500	MKP4
CNM29303030	29.0-30.5	30	1.0	10.0	30.0	2:1typ	2000	MKP4
CNM30313023	30.5-31.5	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM30313027	30.5-31.5	30	1.0	10.0	27.0	2:1typ	1500	MKP4



## Narrow Band Medium Power Amplifier

Model Number	Frequency Range (GHz)	Gain (dB) Min.	SS Flatness (+/-dB) Max.	NF (dB) Max.	P1dB (dBm) Min.	VSWR In/Out Max.	Current 12-15 VDC (mA) Typ.	Case Type
CNM30313030	30.5-31.5	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM31323023	31.5-32.5	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM31323027	31.5-32.5	30	1.0	10.0	27.0	2:1typ	1500	MKP4
CNM31323030	31.5-32.5	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM32333023	32.5-33.5	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM32333027	32.5-33.5	30	1.0	10.0	27.0	2:1typ	1500	MKP4
CNM32333030	32.5-33.5	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM33343023	33.5-34.5	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM33343027	33.5-34.5	30	1.0	10.0	27.0	2:1typ	1500	MKP4
CNM33343030	33.5-34.5	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM34353023	34.5-35.5	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM34353027	34.5-35.5	30	1.0	10.0	27.0	2:1typ	1500	MKP4
CNM34353030	34.5-35.5	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM35363023	35.0-36.0	30	1.0	9.0	23.0	2:1typ	1000	MK3
CNM35363027	35.0-36.0	30	1.0	10.0	27.0	2:1typ	1500	MKP4
CNM35363030	35.0-36.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM36373023	36.0-37.0	30	1.0	10.0	23.0	2:1typ	1000	MKP4
CNM36373027	36.0-37.0	30	1.0	11.0	27.0	2:1typ	1500	MK3
CNM36373030	36.0-37.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM36381018	36.0-38.0	10 Typ	0.5	8.0	18.0	2.2:1	600@12V	*
CNM36382021	36.0-38.0	20 Typ	0.75	8.0	21.0	2.2:1	600@12V	*
CNM36383024	36.0-38.0	30 Typ	1.00	7.0	24.0	2.2:1	1300@12V	*
CNM36383026	36.0-38.0	30 Typ	1.00	8.0	26.0	2.2:1	1900@12V	*
CNM37383023	37.0-38.0	30	1.0	10.0	23.0	2:1typ	1000	MK3
CNM37383027	37.0-38.0	30	1.0	11.0	27.0	2:1typ	1500	MKP4
CNM37383030	37.0-38.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM38393023	38.0-39.0	30	1.0	10.0	23.0	2:1typ	1000	MK3
CNM38393027	38.0-39.0	30	1.0	11.0	27.0	2:1typ	1500	MKP4
CNM38393030	38.0-39.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM38403023	38.0-40.0	30	1.0	10.0	23.0	2:1typ	1000	MK3
CNM38403027	38.0-40.0	30	1.0	11.0	27.0	2:1typ	1500	MKP4
CNM38403030	38.0-40.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM39403023	39.0-40.0	30	1.0	10.0	23.0	2:1typ	1000	MK3
CNM39403027	39.0-40.0	30	1.0	11.0	27.0	2:1typ	1500	MKP4
CNM39403030	39.0-40.0	30	1.0	11.0	30.0	2:1typ	2000	MKP4
CNM39413020	39.0-41.0	30	1.5	10.0	20.0	2:1 typ	500	MK3
CNM39413023	39.0-41.0	30	1.5	10.0	23.0	2:1 typ	900	MK3
CNM39413025	39.0-41.0	30	2.0	10.0	25.0	2:1typ	1500	MK3
CNM41433020	41.0-43.0	30	1.5	10.0	20.0	2:1 typ	650	MK3
CNM41433023	41.0-43.0	30	2.0	10.0	23.0	2:1typ	1300	MK3
CNM41433025	41.0-43.0	30	2.0	10.0	25.0	2:1 typ	1500	Mk3
CNM42443020	42.0-44.0	30	1.5	10.0	20.0	2:1 typ	650	MK3



## Narrow Band Medium Power Amplifier

Model Number	Frequency Range (GHz)	Gain (dB) Min.	SS Flatness (+/-dB) Max.	NF (dB) Max.	P1dB (dBm) Min.	VSWR In/Out Max.	Current 12-15 VDC (mA) Typ.	Case Type
CNM42443023	42.0-44.0	30	2.0	10.0	23.0	2:1 typ	1300	MK3
CNM42443025	42.0-44.0	30	1.5	10.0	25.0	2:1 typ	1500	MK3
CNM43453020	43.0-45.0	30	2.0	10.0	20.0	2:1 typ	650	MK3
CNM43453023	43.0-45.0	30	1.5	10.0	23.0	2:1 typ	1300	MK3
CNM43453026	43.0-45.0	30 Typ	2.0	*	26.0	2.2:1	1900@12V	*
CNM43453027	43.0-45.0	30 Typ	2.0	*	27Psat Typ	2.5:1	2500@12V	*
CNM43453030	43.0-45.0	30 Typ	2.0	*	30Psat Typ	2:1	4800@12V	*
CNM43453025	43.0-45.0	30	2.0	10.0	25.0	2:1 typ	1500	Mk3
CNM54562015	54.0-56.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM55572015	55.0-57.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM56582015	56.0-58.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM57592015	57.0-59.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM58602015	58.0-60.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM59612015	59.0-61.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM60622015	60.0-62.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM61632015	61.0-63.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM62642015	62.0-64.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM63652015	63.0-65.0	20	1.0	8.0	15.0	2:1typ.	200	MV3
CNM92942515	92.0-94.0	25	1.0	8.0	15.0	2:1 typ	1000	MV3R
CNM92942320	92.0-94.0	23	1.0	8.0	20.0	2:1 typ	1500	MV3R
CNM94962515	94.0-96.0	25	1.0	8.0	15.0	2:1 typ	1000	MV3R
CNM94962320	94.0-96.0	20	1.0	8.0	20.0	2:1 typ	1500	MV3R

ALL THE ABOVE SPECIFICATIONS ARE @ 25°C  
 OTHER FREQUENCY BANDS AND POWER LEVELS ARE ALSO AVAILABLE.  
 TEMPERATURE COMPENSATED AMPLIFIERS AND GAIN CONTROL ARE ALSO AVAILABLE.  
 \*CONSULT THE FACTORY.

\*\* VDC is 28V

H: Monitoring interface: RS-485 (DB9 Female)

▲ SMALLER CASES (HN SERIES) ARE ALSO AVAILABLE.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.