

NEW Compact, Low-Noise Amplifiers

0.5 GHz to 20.0 GHz

- ✓ **Low-Noise**
- ✓ **Wide Dynamic Range**
- ✓ **Low-Cost, Small Compact Size (AM Series)**
- ✓ **Drop-In Configurations Available**
- ✓ **Frequency Coverage from 0.5 GHz to 20.0 GHz**



CTT introduces a new line of lownoise solid-state amplifiers for a wide range of applications in narrowband and wideband frequencies through 20 GHz. The new "M" series LNAs are based on GaAs pHEMT devices with input and output impedance matching.

These LNAs offer a blend of good noise-figure performance and wide dynamic range.

The new amplifiers are designed for +12 to +15 VDC operation and are ideal for many portable and battery-powered systems.

The LNAs are available with or without SMA connectors.

Broadband AM Series Model Number	Frequency Response (GHz)	Gain (dB)	Gain Flatness (±dB)	Noise Figure (dB)	P1dB (+dBm)	VSWR In/Out	Volts (DC)	DC Current (mA)	Case
	Min	Min	Max	Max	Min	Max	Typ	Typ	
AMM/020-1015	0.5-2.0	15	1.00	1.0	8	2:1	12-15	80	M4
AMM/020-1022	0.5-2.0	22	1.00	1.0	10	2:1	12-15	120	M5
AMM/020-1030	0.5-2.0	30	1.25	1.0	10	2:1	12-15	200	M5
AMM/020-1515	0.5-2.0	15	1.00	1.5	8	2:1	12-15	80	M4
AMM/020-1522	0.5-2.0	22	1.00	1.5	10	2:1	12-15	120	M5
AMM/020-1530	0.5-2.0	30	1.25	1.5	10	2:1	12-15	200	M5
AMO/040-1516	2-4	16	1.00	1.5	8	2:1	12-15	80	M4
AMO/040-1524	2-4	24	1.25	1.5	8	2:1	12-15	120	M5
AMO/040-1532	2-4	32	1.50	1.5	10	2:1	12-15	200	M5
AMO/040-1816	2-4	16	1.00	1.8	8	2:1	12-15	80	M4
AMO/040-1824	2-4	24	1.25	1.8	8	2:1	12-15	120	M5
AMO/040-1832	2-4	32	1.50	1.8	10	2:1	12-15	200	M5
AMM/080-2216	2-8	16	1.00	2.2	8	2:1	12-15	80	M4
AMM/080-2224	2-8	24	1.25	2.2	8	2:1	12-15	120	M5
AMM/080-2232	2-8	32	1.50	2.2	10	2:1	12-15	200	M5
AMO/080-1518	4-8	18	1.00	1.5	6	2:1	12-15	80	M4
AMO/080-1526	4-8	26	1.00	1.5	8	2:1	12-15	120	M5
AMO/080-1534	4-8	34	1.25	1.5	10	2:1	12-15	180	M5
AMX/00510-2516	0.5-10	16	1.00	2.5	8	2:1	12-15	80	M4
AMX/00510-2524	0.5-10	24	1.25	2.5	8	2:1	12-15	120	M5
AMX/00510-2532	0.5-10	32	1.50	2.5	10	2:1	12-15	200	M5
AMW/120-1518	8-12	18	1.00	1.5	6	2:1	12-15	80	M4
AMW/120-1526	8-12	26	1.00	1.5	8	2:1	12-15	120	M5
AMW/120-1534	8-12	34	1.25	1.5	10	2:1	12-15	180	M5
AMW/120-1818	8-12	18	1.00	1.8	6	2:1	12-15	80	M4
AMW/120-1826	8-12	26	1.00	1.8	8	2:1	12-15	120	M5
AMW/120-1834	8-12	34	1.25	1.8	10	2:1	12-15	180	M5
AMX/00518-3515	0.5-18	15	2.00	3.5	8	2.5:1	12-15	80	M4
AMX/00518-3522	0.5-18	22	2.00	3.5	8	2.5:1	12-15	140	M5
AMX/00518-3530	0.5-18	30	2.50	3.5	10	2.5:1	12-15	200	M5
AMX/0218-3515	2-18	15	2.00	3.5	8	2.5:1	12-15	80	M4
AMX/0218-3522	2-18	22	2.00	3.5	8	2.5:1	12-15	140	M5
AMX/0218-3530	2-18	30	2.50	3.5	10	2.5:1	12-15	200	M5
AMM/180-3016	6-18	16	1.00	3.0	8	2:1	12-15	80	M4
AMM/180-3024	6-18	24	1.00	3.0	10	2:1	12-15	120	M5
AMM/180-3032	6-18	32	1.50	3.0	10	2:1	12-15	180	M5
AMX/0220-4510	2-20	10	2.00	4.5	8	2.5:1	12-15	80	M4
AMX/0220-4520	2-20	20	2.00	4.5	8	2.5:1	12-15	140	M5
AMX/0220-4530	2-20	30	2.50	4.5	10	2.5:1	12-15	200	M5