



## BROADBAND HYBRID AMPLIFIERS

Model	Freq. Band GHz	Gain Typical dB	Gain Var. dB	P <sub>1dB</sub> min dBm	Noise figure max dB	VSWR Max I/O	Current mA
MC2247	0.5-2.0	52.0	± 1	20	5.	2.0:1	800
MC2241	1.0-2.0	40.0	± 1	10	3	2.0:1	160
MC2257	2.5-5.3	21.0	± 1	20	4.5	2.0:1	275
MC2263	2.0-6.5	22.5	±1	27	8	2.0:1	1500
MC2307/-01	2.0-8.0	40.0	± 2	30/33	7	2.0:1	2000
MC2287	6.0-12.0	34.5	±1	20	6	2.0:1	400
MC2288	12.0-18.0	36.0	±1	15	6	2.0:1	415
MC2255/-01	6.0-18.0	22.5	±1	27/30	8	2.0:1	1500
MC2221	18.0-26.0	18	±1	10	8	2.5:1	120
MC2244	26.0-40.0	18.0	±2	6	7	3.0:1	200
NW1732	17.0-32.0	15	±3	24(Psat)	-	3.0:1	800

### FEATURES

- Cascadable Modular Designs
- Unconditionally Stable
- PIN Diode based Compensation -55°C + 85°C

### PACKAGING

- Hermetically Sealed
- Input/Output SMA Connectors

### APPLICATIONS

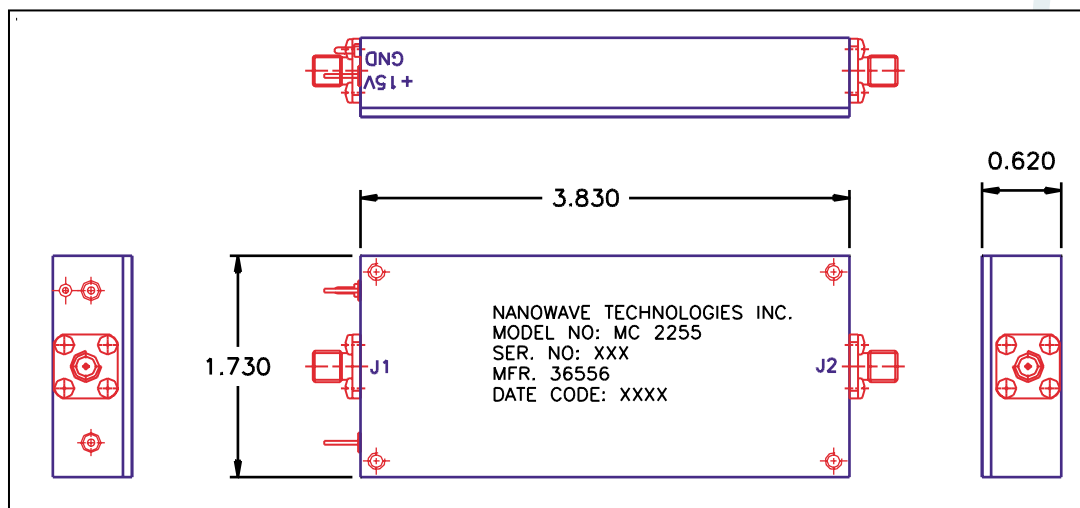
- Military Industry
- Satcom
- Point-to-Point

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## OUTLINE DIAGRAM



## ULTRA-BROADBAND HYBRID AMPLIFIERS

Model	Freq. Band GHz	Gain Typical dB	Gain Var. dB	P <sub>1dB</sub> dBm	Noise figure max dB	VSW R Max I/O	Current mA
NW0014-18	.03-15.0	20	± 4.0	17	11	3.0:1	600/-100
MC2316	2.8-15.5	15	± 2.0	29	8	2.2:1	2100
NW0250-12	2.0-50.0	14	± 3.0	13(Psat)	-	3.5:1	200
NW2040-20	20.0-40.0	20	± 3.0	10 (Psat)	-	3.5:1	200

## NARROW BAND HYBRID AMPLIFIERS

Model	Freq. Band GHz	Gain typ dB	Gain Var. dB	P <sub>1dB</sub> dBm	Noise figure max dB	VSWR Max I/O	Current mA
MC2303	4.4-5.0	27	± 1.0	10.0	1.8	2.0:1	130/-2
NW5864-37-1	5.84-6.44	55.0	± 2.0	37.0	-	1.5:1	4500
MC2421	7.0-8.5	30	± 1.0	32.0	8	1.3:1	1300
MC2325	7.0-12.0	21.0	± 1.0	30.5	9	2.0:1	2000
NW1213-33	12.7-13.2	43	± 2.0	33.0	-	1.5:1	2500
MC2304-1	14.0-14.5	30	± 1.0	33.0	8	1.5:1	3500/30
MC2304-1	14.5-15.3	30	± 1.0	33.0	8	1.5:1	3500/30
MC2413	15.4-15.9	50	± 1.5	35 (Sat)	-	1.8:1	6000
MC2353	18.1-18.7	30.0	± 2.0	29.5	10	2.0:1	1900/-50
MC2230	18.8-19.6	30.0	± 1.0	3.0	3.5	2.0:1	200
NWLN1009	28.25-28.75	20.0	± 1.0	5.0	4.0	2.0:1	100
NW2930-10	29.0- 30	60.0	± 1.0	39.0	-	2.0:1	20000

Specifications are subject to change without notification. Consult Nanowave Technologies, Inc. for specific applications/requirements.