

MONOLYTHIC AMPLIFIERS

MINI-CIRCUITS MAR AMPLIFIERS



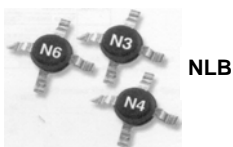
Low cost drop in DC-2.5GHz 50ohm Amplifiers.
PO=Poweroutput, NF= Noise figure

Order No	Description	Each
MAR-1SM	MMIC 0 – 1GHz, gain 17dB PO= 0dBm, NF=5.5dB	\$3.70
MAR-3SM	MMIC 0 – 2GHz, gain 13dB PO= 7dBm, NF=6dB	\$3.65
MAR-4SM	MMIC 0 – 2GHz, gain 8dB PO= 10dBm, NF=6.5dB	\$4.30
MAR-6SM	MMIC 0 – 2GHz, gain 16.5dB PO= 0dBm, NF= 2.8dB	\$2.95
MAV-11+	MMIC 0 – 1GHz, gain 12dB PO= 17.5dBm, NF=3.6dB	\$4.25
MAV-11A	MMIC 50 – 2GHz, gain 12dB PO= 18.5dBm, NF=4.8dB	\$3.20

MAR-8 devices are potentially unstable devices & are not stocked by Mini-Kits. The ERA-3 is a good substitute to replace a MAR-8. The MAR-1/3/4/6SM a SMD Version is being supplied in place of the MAR-1/3/4/6 due to cost.

MAV11-A is a square SMD Package Type

RF MICRO DEVICES NLB AMPLIFIERS

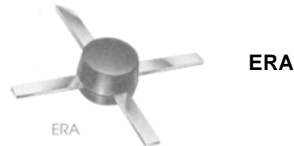


RFMD NLB-300/310 Low Cost Drop in Amplifiers that are a better option than the ERA-1 @ 10GHz.

Order No	Description	Each
NLB-300	MMIC 0 – 10GHz, gain 8.9dB@10GHz PO= +12.7dBm @ 10GHz, NF=5.0dB	\$5.50
NLB-310	MMIC 0 – 10GHz, gain 9.7dB@10GHz PO= +13.1dBm @ 10GHz, NF=5.0dB	\$4.85

MONOLYTHIC AMPLIFIERS

MINI-CIRCUITS ERA AMPLIFIERS



Miniature drop in DC-8GHz Microwave Amplifiers usable to 10GHz. PO= 18.5dBm, NF= 8.4dB

Order No	Description	Each
ERA-1+	DC – 8GHz, gain 12dB PO= 12dBm, NF= 5.3dB	\$3.10
ERA-2	DC – 6GHz, gain 16.4dB PO= 13dBm, NF= 3.8dB	\$4.25
ERA-3+	DC – 3GHz, gain 21dB PO= 12dBm, NF= 2.6dB	\$3.65
ERA-4+	DC – 4GHz, gain 14.2dB PO= 17.3dBm, NF= 5.2dB	\$7.65
ERA-5+	DC – 4GHz, gain 18.4dB PO= 19.5dBm, NF= 4.5dB	\$6.55
ERA-6	DC – 4GHz, gain 11.3dB PO= 19.6dBm, NF= 4dB	\$9.50

FOR DATA SHEETS PLEASE VISIT
WWW.MINICIRCUITS.COM
WWW.RFMD.COM

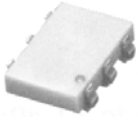
MINI-KITS ONLY ORDERS DIRECT FROM MINI-CIRCUITS USA AVOIDING ANY SUBSTITUTION OF MINI-CIRCUITS PRODUCTS, WITH FAKE, OR OUT OF SPECIFICATION PRODUCTS SUPPLIED BY SOME DISTRIBUTORS

MMIC Amplifier Experimenters Kit & PC Boards. Designed to experiment with the MAR/ERA devices.

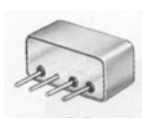
Refer to www.minikits.com.au/kits2.html for prices.

FREQUENCY MIXERS

MINI-CIRCUITS MIXERS



ADE



TUF



RMS

All Mixers are Surface Mounted Types, except TUF-1 & require +7dBm (5mW) of Local Oscillator injection. Maximum RF input power is +1dBm. Some models are suitable for building equipment up to 6GHz

Order No	Description	Each
ADE-1	Double Balanced Mixer L/O & RF 0.5 – 500MHz I/F DC – 500MHz +7dBm	\$5.50
ADE-11X+	Double Balanced Mixer L/O & RF 10-2000MHz I/F 5 - 1000MHz +7dBm	\$4.75
ADE-35+	Double Balanced Mixer L/O & RF 1600-3500MHz I/F DC - 1500MHz +7dBm	\$9.30
MBA-591	Double Balanced Mixer L/O & RF 2800-5900MHz I/F DC - 1000MHz	\$18.56
RMS-11X	Double Balanced Mixer L/O & RF 5 – 1900MHz I/F 5 – 1000MHz +7dBm	\$10.80
TUF-1+	Double Balanced Mixer L/O & RF 2 – 600MHz I/F DC – 600MHz +7dBm	\$14.95
TUF-1H+	Double Balanced Mixer L/O & RF 2 – 600MHz I/F DC – 600MHz High Level +17dBm	\$23.50

MINI-CIRCUITS ATTENUATORS

Order No	Description	Each
DAT31R5-SP+	Digital Step Attenuator DC-2400MHz 50ohm 31.5dB in 0.5dB Steps, Serial Interface	\$8.10

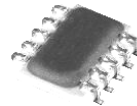


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HITTITE MIXERS



MBA

Order No	Description	Each
HMC220MS8	Hittite Double Balanced Mixer L/O + RF 5-12GHz /F DC-4GHz	\$11.65