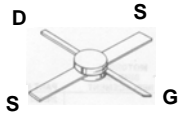
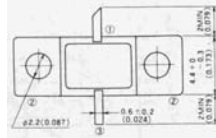


## FETS

### MITSUBISHI GaAs FETs



MGF1302



MGF0904 / 2430A

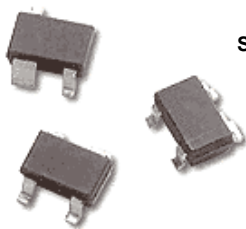
MGF1302 suitable for Low Noise amplifiers, driver amplifiers, & oscillators from 2 – 12GHz. MGF0904 suitable driver for 2-4GHz Power Amplifiers. The MGF1801 is suitable for driver amplifiers up to 10GHz, & the MGF2430A has a 1W output on 10GHz. Datasheets are available on the Mitsubishi Semiconductors WEB site.

[www.mitsubishichips.com](http://www.mitsubishichips.com)

Order No	Description	Each
MGF0904	GasFet 13dB gain @ 1.65GHz Pout 28dBm @ 1.65GHz ( 9pcs in Stk )	\$40.00
MGF1302	GasFET 11dB gain 1.4dB NF@ 4GHz, VDS 3v, ID 10mA	\$6.50
MGF1801B	GasFET 9dB gain @ 8GHz Pout 23dBm @ 8GHz ( 6pcs in Stk )	\$55.00

## GaAs MMICS / PHEMTS

### MINI-CIRCUITS



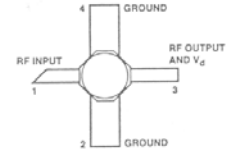
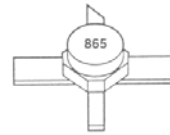
SAV-541+

Mini-Circuits, equivalent to the ATF54143 ( E-PHEMT FETs) are suitable for building low noise high dynamic range amplifiers From VHF to 6GHz. Data sheets are available at <http://www.minicircuits.com>

Order No	Description	Each	10+Ea
SAV-541+	PHEMT 16.6dB gain @2GHz Pout 20.4dBm @ 2GHz Noise Figure 0.5dB 3 <sup>rd</sup> Order Intercept 36.2dBm	\$4.50	\$3.60

## GaAs MMICS / PHEMTS

### AVAGO TECHNOLOGIES



The AVAGO GaAs MMIC amplifier uses PHEMT technology with internal self biasing current sources, & offers low noise & excellent gain from 1.5 to 8GHz. Applications include, LNA or gain stages in 2.4GHz to 5.6GHz equipment, including local osc amplifier to +7dBm mixer. The amplifier can be used with a input impedance matching network using a simple wire loop to reduce the noise figure to 1.6dB at 4GHz.

Order No	Description	Each
MGA86576	GaAs MMIC Low Noise Amplifier 1.5 to 8GHz, gain 23dB NF= 1.8dB @ 4GHz O/P +6dBm @ 4GHz Current Consumption 16mA	\$12.50

### AVAGO TECHNOLOGIES



ATF-50189

Avago's( E-PHEMT FETs) are suitable for building transmitter driver amplifiers From VHF to 4GHz.. These devices will produce +30dBm output @ 1.2GHz. Data sheets are available at <http://www.avagotech.com/>

Order No	Description	Each	10+Ea
ATF50189	PHEMT 15.5dB gain @2GHz Pout 29dBm @ 2GHz Noise Figure 1.1dB @ 2GHz 3 <sup>rd</sup> Order Intercept 45dBm Package: SOT89 SMD	\$7.00	\$6.30

Refer to [www.minikits.com.au/kits2.html](http://www.minikits.com.au/kits2.html) For a new 1.2GHz 1 Watt Power amplifier Kit.

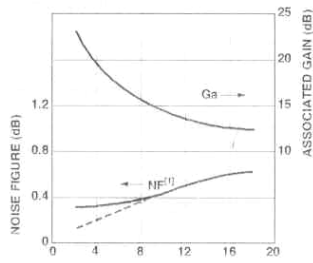
## GaAs MMICS / PHEMTS

### AGILENT TECHNOLOGIES



The Hewlett Packard ATF36077 PHEMT is a 2 to 18GHz Ultra Low Noise Transistor. Typical applications include Low noise block front ends for C & KU band Satellite, & High Performance Preamplifiers & Amplifiers for the 1.2 to 24GHz Amateur bands.

Order No	Description	Each
ATF36077	PHEMT Low Noise Amplifier Gain= 17dB @ 2GHz NF= 0.3dB Gain= 12dB @ 12GHz NF= 0.5dB Volts DS= 1.5v Current= 10mA	<b>SOLD OUT</b> <b>NO LONGER STOCKING</b>



## HJ FETS

### NEC

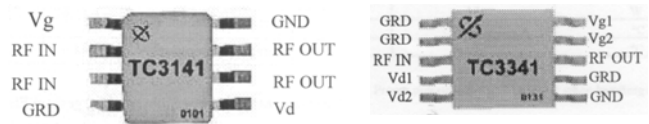


The NE3210S01 is a Pseudomorphic Hetro-Junction Fet. These are commonly used in Satellite LNB. Data sheets are available at [www.cel.com](http://www.cel.com)

Order No	Description	Each
NE3210S01	HJ FET 13.5dB gain @ 12GHz 0.35dB NF @ 12GHz	\$5.00

## GaAs MMICS / PHEMTS

### TRANSCOM



The TC3141 MMIC is a 2 stage PHEMT MMIC power amplifier. The TC3141 is designed for 2.4 to 2.5GHz ISM band applications. The MMIC provides a typical gain of 29dB & a 1dB compression of + 33dBm. The MMIC is a standard SO-8 package & requires minimal input & output matching. Devices have high linear gain, high PAE up to 31%, & excellent linearity. [Data sheets are available on the Mini-Kits web site.](#)

Order No	Description	Each
TC3141	PHEMT MMIC 29dB gain @ 2.4GHz	<b>SOLD OUT</b>
TC3341	Pout +33dBm @ 2.4GHz 7v 800mA PHEMT MMIC 27dB gain @ 3.5GHz Pout +32.5dBm @ 3.5GHz 8v 700mA	\$35.45
TC3531	PHEMT MMIC 24dB gain @ 5.8GHz Pout +30dBm @ 5.8GHz 7v 600mA	\$31.28

**Requires Plated through hole PC board for heatsinking**

**Please Refer to the Mini-Kits Web site for Kits.**

<http://www.minikits.com.au/kits2.html>