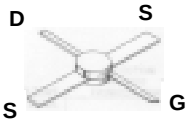
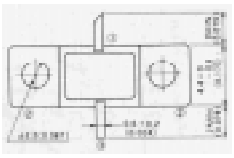
FETS

MITSUBISHI GaAs FETs



MGF1302



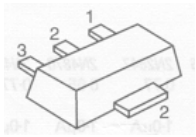
MGF0904 / 2430A

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

Order No	Description	Each
MGF0904	GasFet 13dB gain @1.65GHz	$50.00
	Pout 28dBm @ 1.65GHz **(10pcs in Stk)**	
MGF1302	GasFET 11dB gain -	$7.50
	1.4dB NF@ 4GHz, VDS 3v, ID 10mA	
MGF1801B	GasFET 9dB gain @ 8GHz	$65.78
	Pout 23dBm @ 8GHz **(9pcs in Stk)**	
MGF2430A-01	GasFET 6.5dB gain @ 14.5GHz	**$112.97**
	Pout 30dBm @ 14.5GHz **(4pcs in Stk)**	

HFET

STANFORD MICRODEVICES



SHF-0189/0589

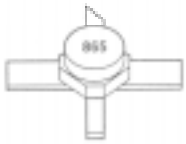
Stanford Microdevices HFETs, (GaAs Heterostructure FETs) are suitable for building medium poweramplifiers up to 2Watts @ 3GHz. Data sheets are available at **www.stanfordmicro.com**

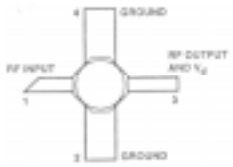
May No Longer be Available From Mini-Kits due to No Australian Supplier.

Order No	Description	Each
SHF-0189	HFET 14dB gain @2.4GHz	**$13.80**
	Pout 28dBm (640mW) @ 2.4GHz	
SHF-0589	HFET 12dB gain @ 2.4GHz	**$No Stk**
	Pout 34.7dBm (3W) @ 2.4GHz	

GaAs MMICS / PHEMTS

HEWLETT PACKARD

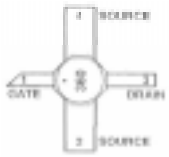




The HP GaAs MMIC amplifier uses PHEMT technology with internal self biasing current sources, & offers low noise & excellent gain from 1.5 to 8GHz. Applications include, LNA or gain stages in 2.4GHz to 5.6GHz equipment, including local osc amplifier to +7dBm mixer. The amplifier can be used with a input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

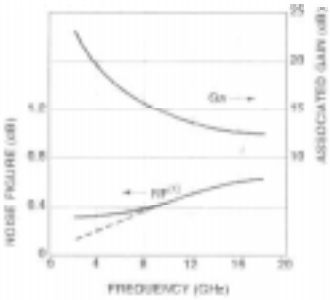
Order No	Description	Each
MGA86576	GaAs MMIC Low Noise Amplifier 1.5 to 8GHz, gain 23dB NF= 1.8dB @ 4GHz O/P +6dBm @ 4GHz Current Consumption 16mA	**$15.00**

HEWLETT PACKARD PHEMTs



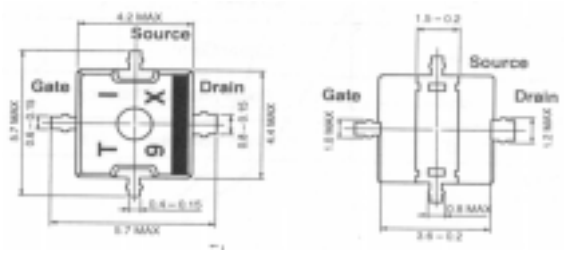
The Hewlett Packard ATF36077 PHEMT is a 2 to 18GHz Ultra Low Noise Transistor. Typical applications include Low noise block front ends for C & KU band Satellite, & High Performance Preamplifiers & Amplifiers for the 1.2 to 24GHz Amateur bands.

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 **(14pcs In Stk)**	$10.80



HJ FETS

NEC



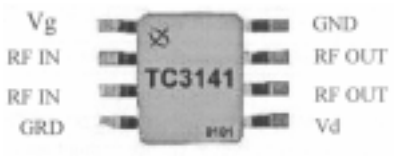
NEC HJ-FETs, are suitable for building medium poweramplifiers up to 4GHz. Devices have been designed for operation on 3.5volt or 5volt supplies. Devices have high linear gain, high PAE up to 50%, & excellent linearity. Data sheets are available at **www.cel.com**

Order No	Description	Each
NE651R479A	HJ FET 12dB gain @ 1.9GHz Pout +29.5dBm @ 1.9GHz 5v	**$13.10**
NE6510179A	HJ FET 10dB gain @ 1.9GHz Pout +35dBm @ 1.9GHz 5V	**$15.55**

LIMITED STOCK

GaAs MMICS / PHEMTS

TRANSCOM



The TC3141 is a 2 stage PHEMT MMIC power amplifier. It 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 Pout +33dBm @ 2.4GHz 7v 800mA	**$41.75**

Requires Plated through hole PC board for heatsinking