

# MICROWAVE MODULES LIMITED

RADIO CONSULTANTS and MANUFACTURERS

Directors: R. B. PORTER, B.Eng. R. A. BUTTERFIELD, B.Sc.

Registered No. 966264 England

Bankers: Barclays Bank, Heywoods Branch, Liverpool.

Account No.: 00600598

Giro Account: 683 4159

Cable Address: Microwave, Liverpool.

Registered Office and Factory:

BROOKFIELD DRIVE  
AINTREE

LIVERPOOL, L9 7AN  
ENGLAND

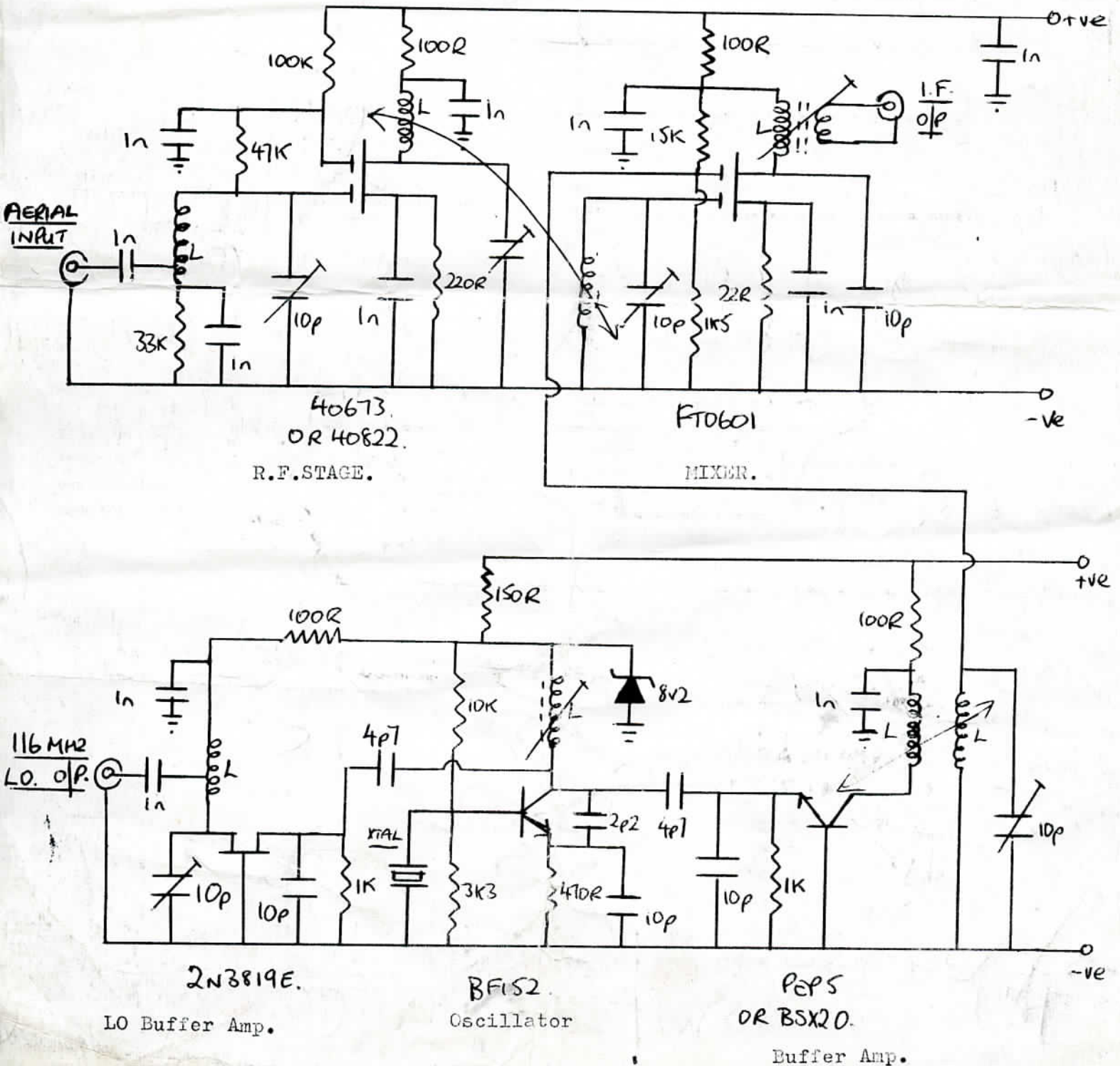
Tel. 051-523 4011

Our Ref.

Your Ref.

Date February 1976.

MMC 144/28L0 Converter CIRCUIT DIAGRAM.



# MICROWAVE MODULES LIMITED

RADIO CONSULTANTS and MANUFACTURERS

Directors: R. B. PORTER, B.Eng. R. A. BUTTERFIELD, B.Sc.

Registered No. 966284 England

Bankers: Barclays Bank, Heywoods Branch, Liverpool.

Account No.: 00600598

Giro Account; 683 4159

Cable Address: Microwave, Liverpool.

Our Ref.

Your Ref.

Registered Office and Factory

BROOKFIELD DRIVE  
AINTREE

LIVERPOOL, L9 7AN  
ENGLAND

Tel. 051-523 4011

Date FEBRUARY 1976.

144 MHz MOSFET CONVERTER. (MIC 144/28 LO).

## Specification.

This unit has an extra FET buffer amplifier at 116MHz so that a 2 metre transverter may be built around this converter, utilising a 10 metre SSB transceiver.

Input frequency:	144 - 146 Mhz.
IF output frequency:	28 - 30 Mhz.
Typical gain:	30dB.
Maximum noise figure:	2.5dB.
Typical image rejection:	65dB.
Crystal oscillator accuracy:	Better than 3 KHZ at 116 mhz although 96% are within $\pm$ 500 HZ at 116 Mhz. Oscillator is zener controlled at 8.2 volts.
Power requirements:	12 volts $\pm$ 25% at 40mA.
Power output at 116Mhz:	5 milliwatts into 75 ohms.

