



Fig. 5. 23cm Super regenerative test circuit.

## P. M. ELECTRONIC SERVICES

2 ALEXANDER DRIVE, HESWALL, WIRRAL, MERSEYSIDE. L61 6XT  
Telephone: 051-342 4443. Telex: 627371.

PRICES EXCLUDE VAT—U.K. CUSTOMERS PLEASE ADD 15% VAT

CRYSTALS MANUFACTURED TO ORDER TO AMATEUR SPECIFICATION

6 to 9.999kHz HC13/U	£32.80	1.5 to 2.59MHz (fund) HC6/U	£5.36
10 to 19.99kHz HC13/U	£31.0	2.6 to 21MHz (fund) HC6/U	£4.87
20 to 29.99kHz HC13/U	£23.08	3.4 to 3.99MHz (fund) HC18 & 25/U	£6.75
30 to 59.99kHz HC13/U	£21.73	4 to 5.99MHz (fund) HC18 & 25/U	£5.36
60 to 79.99kHz HC13/U	£15.69	6 to 21MHz (fund) HC6, 18 & 25/U	£4.87
80 to 99.99kHz HC13/U	£13.08	21 to 25MHz (fund) HC6, 18 & 25/U	£7.31
100 to 149.9kHz HC13/U	£11.32	25 to 28MHz (fund) HC6, 18 & 25/U	£9.00
150 to 159.9kHz HC6/U	£11.32	18 to 63MHz (3 O/T) HC6, 18 & 25/U	£4.87
160 to 399.9kHz HC6/U	£7.83	60 to 105MHz (5 O/T) HC6, 18 & 25/U	£5.61
400 to 499.9kHz HC6/U	£7.00	105 to 125MHz (5 O/T) HC18 & 25/U	£8.44
500 to 799.9kHz HC6/U	£7.83	125 to 147MHz (7 O/T) HC18 & 25/U	£11.25
800 to 999.9kHz HC6/U	£11.01	147 to 175MHz (9 O/T) HC18 & 25/U	£12.66
1.0 to 1.499MHz HC6/U	£11.25	175 to 250MHz (9 O/T) HC18 & 25/U	£13.50

TOLERANCES: Up to 800kHz—Total tolerances =  $\pm 100\text{ppm } 0^\circ\text{C to } +70^\circ\text{C}$   
Over 800kHz—Adj. tol. =  $\pm 20\text{ppm}$ , Temp. tol. =  $\pm 30\text{ppm } -10^\circ\text{C to } +60^\circ\text{C}$   
Unless otherwise specified fundamentals will be supplied to 30pf circuit conditions and overtones to series resonance.

DELIVERY: 1MHz to 105MHz—4/6 weeks, other frequencies—6/8 weeks. Prices shown are for "one off" to our standard amateur specifications, closer tolerances are available. Please send us details of your requirements.

### COMMERCIAL AND PROFESSIONAL CRYSTALS NEW FASTER SERVICE

We are now supplying crystals to most commercial and MIL specifications in the range 1MHz to 60MHz, ordered in small quantities, within 2 weeks AT NO EXTRA CHARGE. We also have an even faster EXPRESS SERVICE for that very urgent order. We can also supply crystals for commercial applications e.g. Microprocessor, TV etc at very competitive prices. Let us know your needs and we will send a quote by return, alternatively telephone or telex our Sales Engineer Mr Norcliffe who is normally available in the office for technical enquiries between 4.30 and 6.30 p.m.

### DOUBLE BALANCED MIXER

We are now stocking two new double balanced mixers which are pin compatible with both the MD108 we used to stock and also the SBL 1, but have much superior specifications covering 500kHz to 500MHz. The M8 is hermetically sealed @ £7.83  
The M18 is non-hermetically sealed @ £6.09

### 4 METRE, 2 METRE AND 7 CENTIMETRE STOCK CRYSTALS

We stock crystals for 70.26MHz on 4m. On 2m we stock R0 thru R8 and S18 thru S24. For 70cm we have RB0 thru RB15 plus SU8, SU18 & SU20. For full details of the above stock crystals plus details of our Converter, Marker and Alternative IF crystals, crystal sockets and our AERIAL RANGE see April, 1983 Radio Communication, page 294 or send SAE to the above address.

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