



#### NOTES:

CAPACITORS MARKED 'BP' ARE BI-POLAR (NON-POLARISED) ELECTROLYTIC TYPES.

\*THIS CIRCUIT COVERS BOTH VERSION 1 & VERSION 2 OF THE AMPLIFIER. THE TWO VERSIONS ARE IDENTICAL APART FROM THE OUTPUT TRANSISTORS (Q10 - Q13). VALUES IN BRACKETS REFER TO VERSION 2.

## SC480 AMPLIFIER MODULE

0: this direct-coupled amplifier module uses a differential input stage (Q2,Q3) with a constant current tail (Q1). This is another differential amplifier (Q4,Q5) with current mirror load (D3,Q6). Quiescent current in the output stage is set by R1 and Q7. The output stage is a complementary class-AB configuration using Q8 & Q9 as drivers and Q10 to Q13 as the output devices. Voltage readings are taken with no signal applied.