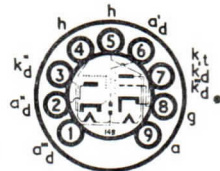


Current Equipment Type

TYPE UABC80 MINIATURE TRIPLE DIODE TRIODE



B9A Base

The type UABC80 is primarily intended for use as the demodulator/1st A.F. Amplifier in A.M./F.M. Receivers, one diode having a separate cathode. Diodes 2 and 3 should be used for discriminator circuits, Diode 1 for A.M. demodulator and A.G.C. circuits.

RATINGS

Heater Voltage	...	...	...	...	...	...	28 volts
Heater Current	...	...	...	...	...	...	0.1 amp.
Diode 1 Current	...	...	...	...	...	...	1 mA max.
Diode 2 Current	...	...	...	...	...	...	10 mA max.
Diode 3 Current	...	...	...	...	...	...	10 mA max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	...	170 volts
Anode Current	...	...	...	...	...	...	1.0 mA
Grid Voltage	...	...	...	...	...	...	-1.85 volts
Anode Impedance	...	...	...	...	...	...	48 k ohm
Mutual Conductance	...	...	...	...	...	...	1.45 mA/V
Amplification Factor	...	...	...	...	...	...	70

OPERATION AS RESISTANCE COUPLED AMPLIFIER

Anode Supply Voltage	...	...	...	100	250	250 volts
Anode Load Resistor	...	...	...	0.5	0.25	0.22 meg.
Grid Resistor (following stage)	...	...	...	1.0	1.0	0.33 meg.
Cathode Bias Resistor	...	...	...	9,000	3,000	0 ohms
Peak Output	...	...	...	16	43	40 volts
* Stage Gain	...	...	...	33	42	42
* Harmonic Distortion	...	...	...	2	1	5 per cent.

* Figures are for 12 volts peak output.

INTER-ELECTRODE CAPACITANCES *

Grid to Cathode	...	...	...	...	...	...	1.9 pF
Anode to Cathode	...	...	...	...	...	...	1.4 pF
Grid to Anode	...	...	...	...	...	...	2.0 pF

* With no external shield.

