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TUBE TYPE 6778

Indirectly heated subminiature triode intended for use  
as an oscillator at frequencies of the order of 500Mc/s.

PHYSICAL SPECIFICATIONS

Cathode	Coated unipotential
Base	8 lead subminiature (B8D)
Bulb	Glass
Maximum bulb length	1½" (38mm)
Maximum bulb diameter	0.4" (10.16mm)
Minimum lead length	1½" (38mm)
Mounting position	Any

BASING CONNECTIONS (8GU)

Lead	No.1	Grid	No.5	No connection
	No.2	Plate	No.6	Heater
	No.3	Heater	No.7	Cathode
	No.4	Plate	No.8	Plate

GENERAL ELECTRICAL DATA

Heater voltage	6.3 V
Heater current	150 mA

ELECTRODE CAPACITANCES (Measured with external shield)

Plate to Grid	1.9 µmf
Input	1.7 µmf
Output	0.6 µmf

MAXIMUM RATINGS (Design Centre)

Plate supply voltage	300 V
Plate voltage	175 V
Plate dissipation	3.0 W
Cathode current	22 mA
Grid to cathode resistance	0.5 megohms
Heater to cathode voltage	100 V

CHARACTERISTICS

Plate voltage	100 V
Plate current	13 mA
Grid voltage	-2 V
Transconductance	5,500 µmhos
Plate resistance	3,600 ohms
Amplification factor	20