TUBE TYPE 6375

The 6375 is a subminiature R.F. triode for use in battery-operated equipment at frequencies of the order of 500 Mc/s.

PHYSICAL SPECIFICATIONS.

Base	8 lead subminiature (B8D)
Bulb	Glass T-3
Maximum bulb length	1 3/4" (44.3 mm.)
Maximum bulb diameter	0.4" (10.16 mm.)
Minimum lead length	1 9/32" (32 mm.)
Mounting position	Any

BASING CONNECTIONS. 8FA

Lead 1	Grid 1	Lead 5	Filament
2	No connection	6	No connection
3	No connection	7	No connection
4	Filament	8	Plate

GENERAL ELECTRICAL DATA.

Filament voltage	1.25 volts
Filament current	0.2 amps

ELECTRODE CAPACITIES. (Measured with external shield and with pins 2, 3, 6 and 7 left unconnected)

Plate to grid	1.4 uuF
Grid to filament	1.3 uuF
Grid to filament	1.9 uuF

MAXIMUM RATINGS (Design Centre Values)

Plate voltage	150 volts
Plate dissipation	2.4 watts
Cathode current	20 mamps
Grid current	5 mamps

CHARACTERISTICS.

Anode voltage	150 volts
Anode current	12 mamps
Grid voltage	-4.5 volts
Mutual conductance	3,400 micromhos
Amplification factor	14

OPERATING CONDITIONS AS OSCILLATOR AT 500 Mc/s

Plate voltage	150 volts
Cathode current	20 mamps
Power output	450 mwatts

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