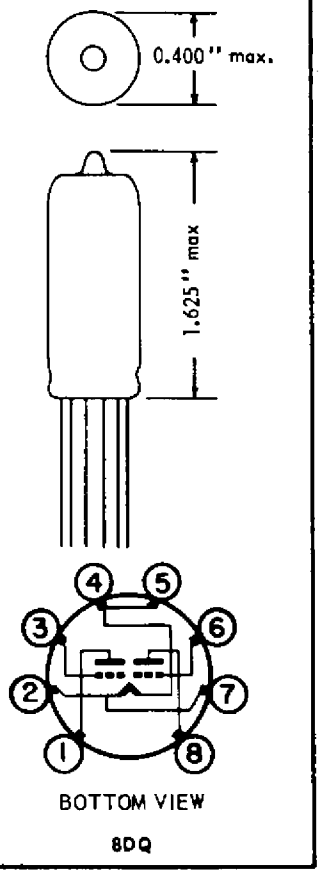
SUBMINIATURE DOUBLE TRIODE

TYPE CK5968

Excellence in Electronics

The CK5968 is a filament type double triode of subminiature construction with an amplification factor of approximately 50 designed for use as a push-pull mixer at frequencies in the VHF Range. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard 8-Pin subminiature sockets may be used by cutting the leads to a suitable length.



BOTTOM VIEW

8DQ

MECHANICAL DATA

ENVELOPE: T-3 Glass

BASE: Subminiature Button 8-Pin (0.017" tinned flexible leads. Length: 1.50" minimum)

TERMINAL CONNECTIONS:

Lead 1 Plate, Unit 2	Lead 5 Filament, Positive
Lead 2 Filament, Negative	Lead 6 Grid, Unit 1
Lead 3 Grid, Unit 2	Lead 7 Filament, Negative
Lead 4 Filament, Positive	Lead 8 Plate, Unit 1

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (Unshielded) (μμfds.)

Grid to Plate (each unit)	2.3
Plate to Filament (each unit)	0.9
Grid to Filament (each unit)	0.9
Grid to Grid	0.2
Plate to Plate	0.2

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25 ± 20% volts
Plate Voltage	45 volts
Total Cathode Current (each unit)	4 ma.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)	1.25 volts
Filament Current	120 ma.
Plate Voltage	45 volts
Grid Voltage	0 volts
Transconductance (each unit)	1300 μmhos
Amplification Factor (each unit)	50
Plate Current (each unit)	0.7 ma.

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Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS
February 15, 1956 NEWTON 58, MASS.