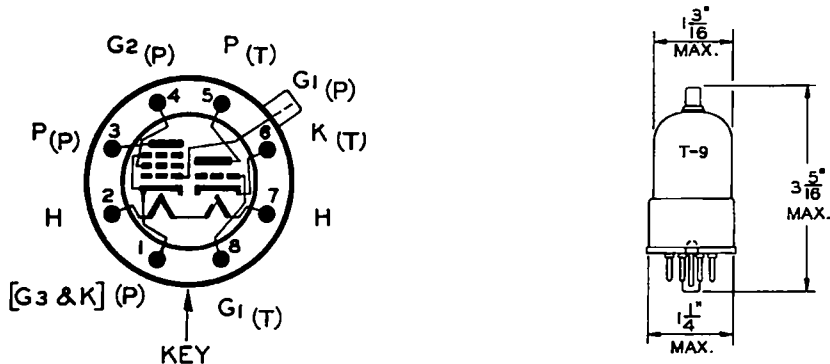


GENERAL DESCRIPTION

Application: The Ken-Rad 25B8GT is a cathode type duplex tube consisting of a pentode unit and a triode unit within a single envelope. The 25B8GT is a glass tube equipped with an octal base.

Physical Characteristics:

Bottom ViewRATING AND CHARACTERISTICS

Heater:

Voltage	25	Volts	AC or DC
Current	.150	Ampere	

Note: Voltage between heater and cathode should be kept at a minimum if direct connection is not possible.

OPERATING CONDITIONS

(Pentode Section)

Plate Voltage	100	Volts
Screen Voltage	100	Volts
Grid Voltage	-3	Volts
Plate Current	7.6	Milliamperes
Screen Current	2.0	Milliamperes
Mutual Conductance	2,000	Micromhos
Amplification Factor	370	
Plate Resistance	.185	Megohm
Control Grid Voltage For $S_m = 2$ Micromhos	-41	Volts

OPERATING CONDITIONS

(Triode Section)

Plate Voltage	100	Volts
Grid Voltage	-1	Volt
Plate Current	.60	Milliampere
Mutual Conductance	1,500	Micromhos
Plate Resistance	.075	Megohm
Amplification Factor	112.5	
Approximate Grid Voltage For Plate Current Cut-Off	-2.5	Volts

Direct Interelectrode Capacitances:

Pentode G_1 to Plate	.02	$\mu\text{f.}$
Pentode Input	5.5	$\mu\text{f.}$
Pentode Output	10.0	$\mu\text{f.}$
Triode Grid to Plate	2.2	$\mu\text{f.}$
Triode Grid to Cathode	5.0	$\mu\text{f.}$
Triode Plate to Cathode	4.6	$\mu\text{f.}$
Pentode G_1 to Triode Grid	.02	$\mu\text{f.}$
Pentode Plate to Triode Grid	.075	$\mu\text{f.}$
Pentode G_1 to Triode Plate	.009	$\mu\text{f.}$

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