PENTODE
SUBMINIATURE TYPE

COATED FILAMENT

1.25 VOLTS 50 MA.

DC

ANY MOUNTING POSITION

BOTTOM VIEW

0.046" TINNED FLEXIBLE LEADS
0.048" SPACING CENTER-TO-CENTER

GRID #3 IS COMPRised OF TWO SEPARATE BEAM PLATES, ONE OF WHICH IS CONNECTED TO LEAD #3 THE OTHER TO LEAD #5

THE 5678 IS A FILAMENT TYPE, SUBMINIATURE PENTODE DESIGNED FOR SERVICE IN RF APPLICATIONS REQUIRING ECONOMY OF SPACE, WEIGHT AND BATTERY DRAIN. A COATED METALLIC SHIELD IS USED AND CONNECTED TO LEAD #3. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE (MAX.)
INPUT
OUTPUT
0.01 pf
3.3 pf
3.8 pf

RATINGS
INTERPRETED ACCORDING TO DESIGN-MAXIMUM SYSTEM

MAXIMUM PLATE VOLTAGE
90 VOLTS

MAXIMUM GRID #2 VOLTAGE
67.5 VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE
45 67.5 VOLTS

GRID #2 VOLTAGE
45 67.5 VOLTS

GRID #1 VOLTAGE A
0 0 VOLTS

GRID #2 CURRENT
0.22 67.5 MEGOHMS

PLAN RESISTANCE
1.2 1.0 MEGOHMS

TRANSCONDUCTANCE
820 1000 UMMHOS

PLATE CURRENT
0.8 1.8 MA.

GRID #2 CURRENT
0.48 0.48 MA.

GRID #1 VOLTAGE (APPROX.) FOR TRANSCONDUCTANCE = 40 UMMHOS
-3 -4 VOLTS

A GRID RESISTOR = 5 MEGOHMS.