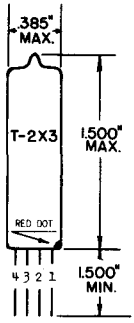
TUNG-SOL

TRIODE

SUBMINIATURE TYPE



GLASS BULB

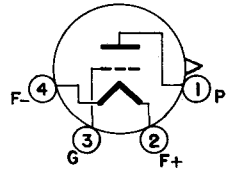
RED DOT IS ADJACENT TO LEAD 1

COATED FILAMENT

1.25 VOLTS 120 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

0.016" TINNED FLEXIBLE LEADS

0.048" SPACING CENTER-TO-CENTER

THE 5676 IS A SUBMINIATURE, FILAMENT TYPE, TRIODE. IT IS DESIGNED FOR SERVICE AS A HIGH FREQUENCY OSCILLATOR UP TO SEVERAL HUNDRED MEGACYCLES IN APPLICATIONS WHERE EXTREME COMPACTNESS MUST BE MAINTAINED. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED DIRECTLY 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

WITH CLOSE FITTING SHIELD CONNECTED TO LEAD #4

GRID TO PLATE	2.0	pf
GRID TO FILAMENT	1.3	pf
PLATE TO FILAMENT	4.0	pf

RATINGS

DESIGN CENTER VALUES

MAXIMUM PLATE VOLTAGE	135	VOLTS
MAXIMUM PLATE CURRENT	10	MA.

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

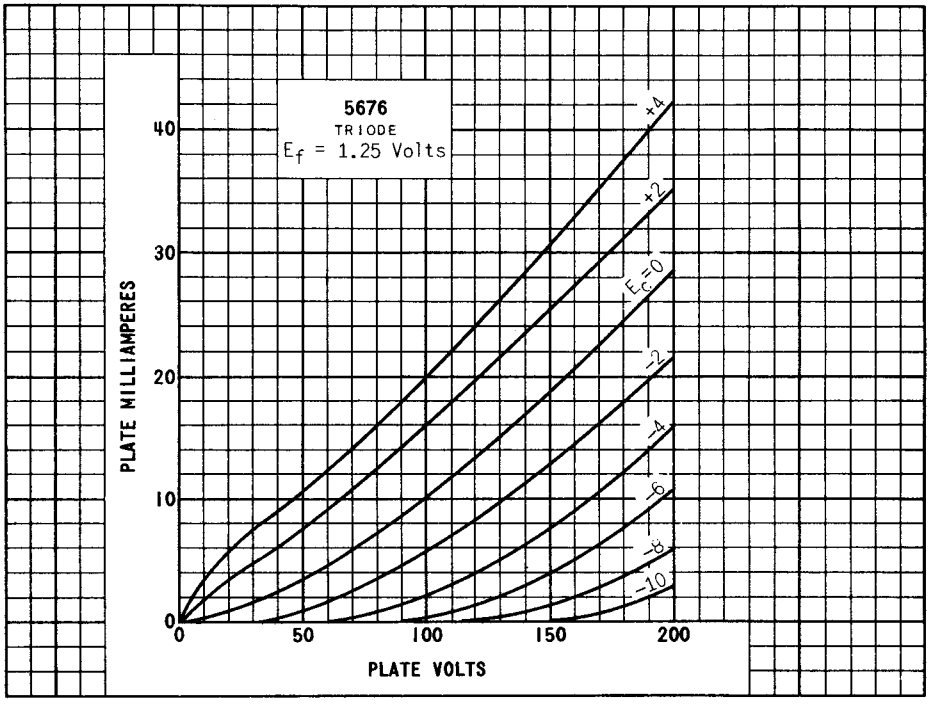
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

PLATE VOLTAGE	135	VOLTS
GRID VOLTAGE	-5	VOLTS
TRANSCONDUCTANCE	1 600	µMHOS
AMPLIFICATION FACTOR	15	
PLATE CURRENT	4.0	MA.

VHF OSCILLATOR

PLATE VOLTAGE	135	VOLTS
GRID LEAK	10 000	OHMS
GRID CURRENT	150 TO 500	µA.
PLATE CURRENT	9	MA.
FREQUENCY	100 TO 350	MC.


5676
TRIODE
E_f = 1.25 Volts
PLATE MILLIAMPERES
PLATE VOLTS
0
10
20
30
40
0
50
100
150
200
+4
+2
E_c=0
-2
-4
-6
-8
-10