

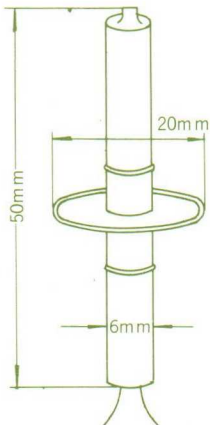
# Apollo

## Pencil Tube 6562/5794A

### UHF OSC. & AMP. TRIODE, FOR RADIOSONDE

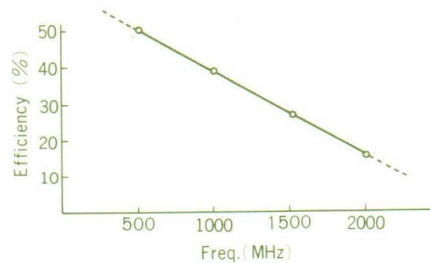
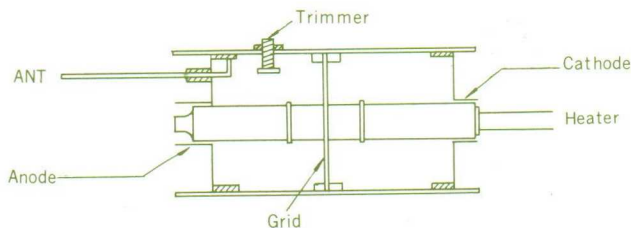
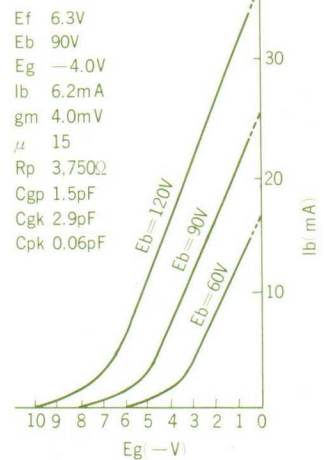
The Apollo 6562/5794A Pencil Tube is a negative grid triode for generation of signals in the UHF band, and was developed for application in the transmitter of radiosondes used in meteorological work. There are two integral cavity resonators. One is connected between the grid and cathode and the other between the grid and plate. RF output is taken from a coaxial fitting. The oscillator frequency is fixed at 1680MHz and a trimmer permits fine adjustment to the order of  $\pm 12$ MHz.

アポロペンシル管6562/5794Aは気象観測用のラジオゾンデの送信機に使用するために開発された極超短波発振用の負格子3極管で二つの空洞共振器と一体になっている一種の板極管です。共振器の一つは格子-陰極間に接続され、もう一つは格子-陽極間に接続されています。高周波出力は同軸型で取り出されており、発振周波数は1680MHzに固定されていますが微調整トリマーによって $\pm 12$ MHzの変動範囲が得られます。



#### SPECIFICATIONS

Item	Conditions	Specification
Heater voltage	$E_f = 6.3V$	170mA Max
Operating characteristic (Oscillating output)	$E_b = 110V$ $R_g = 1.4 \sim 2.4K\Omega$ $f = 1680MHz$ $\pm 4MHz$ $Z_A = 50\Omega$	300mW Min
Oscillating anode current	$E_b = 110V$ $E_f = 6.3V$	34mA Max
Frequency variable range		$\pm 12MHz$
Frequency drift & skip		$\pm 4MHz$
Life test	$E_f = 6.5V$ $E_b = 117V$ $R_g = 1.5K\Omega$ $f = 1680MHz$	5hours (Min)
Vibration	$f = 60Hz$ $G = 5G$	180sec
Operating temperature range		$-55 \sim +75^\circ C$



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November, 1971

Bulletin AP-711-1JE