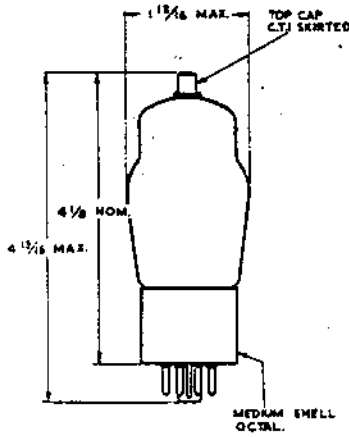
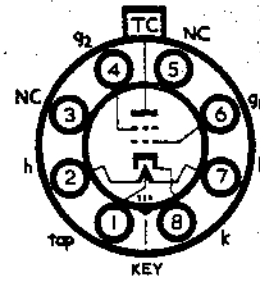




TYPE 3D21A BEAM TETRODE



The SV-3D21A has been developed primarily for use as a blocking oscillator and pulse modulator. It is also suitable for use as a deflection amplifier, regulator or series valve in high voltage power supplies. It is directly equivalent to the U.S.A. 3D21A type.

CATHODE

Indirectly-heated, oxide-coated.
Centre tapped heater. The two heater sections may be connected either in series or in parallel.

Heater voltage	...	...	...	...	...	6.3 or 12.6	V
Nominal current	...	...	...	...	...	1.7 or 0.85	A
Minimum cathode heating time	...	...	...	...	...	30	secs

CHARACTERISTICS

Mutual Conductance	$\left\{ \begin{array}{l} \text{Measured at } V_a \text{ 600 V} \\ V_{g2} \text{ 300 V : } V_{g1} \text{ -30 V} \end{array} \right\}$		5.5	mA/V
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DIRECT INTERELECTRODE CAPACITANCES

Input	19	pF
Output	10	pF
Anode to Grid	1	pF

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Pulse Operation

	Maximum Ratings			
† *Maximum direct anode supply voltage	3.5	kV
Maximum direct anode dissipation	15	W
Maximum peak anode voltage, including transient	5	kV
† Maximum direct screen supply voltage	850	V
Maximum direct screen dissipation	3	W
Maximum negative grid voltage including transient	-500	V
Maximum positive peak grid voltage	220	V
Maximum grid dissipation	0.5	W
Maximum heater cathode voltage	150	V
‡ Maximum pulse length	10	μsec

Continued overleaf