RAYTHEON

TECHNICAL INFORMATION SERVICE

Technical Information

CK579

HALF-WAVE RECTIFIER

The CK579 is a filament type, high vacuum, high voltage, half-wave rectifier of subminiature construction designed for use in a metascope power supply. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

ELECTRICAL DATA

HEATER CHARACTERISTICS:

Heater Voltage		
Series	2.5±10%	volts
Parallel	1.25	volts
Heater Current		
Series	180	mA
Parallel	360	mA

DIRECT INTERELECTRODE CAPACITANCE:

Plate to Filament	0.5	$\mu\mu$fd max.

ABSOLUTE MAXIMUM RATINGS:

Peak Inverse Plate Voltage	15	Kv
Average Plate Current	550	μA
Peak Plate Current (steady state)	4	ma
Minimum Plate Supply	600	K
Peak Plate Current (surge)	20	ma

CHARACTERISTICS AND TYPICAL OPERATING–HALF WAVE RECTIFIER 60 CYCLE:

Plate Supply Voltage (RMS sinusoidal waveform)	6.0	Kv
Plate Supply Impedance	660	K
Load Current DC	500	μA
Load Condenser	.003	μfd.
Load Resistor	12	meg.
DC Output Voltage	6.0	Kv
Tube Voltage Drop at 500 μAdc	50	volts

These data identify a particular developmental tube design and the tube designation, or the descriptive data may be subject to change or abandonment.

OBJECTIVE DATA

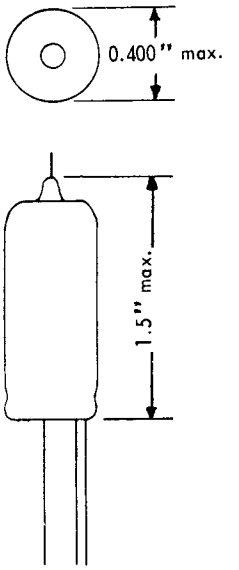
MECHANICAL DATA

ENVELOPE:..... Glass T-3

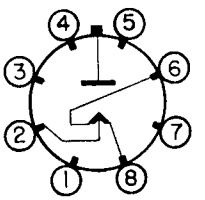
BASE... Subminiature Button 8-Pin (.017" tinned Flexible Leads Length=1.5" min.)

MOUNTING POSITION..... Any

PHYSICAL DIMENSIONS



BASING



TERMINAL CONNECTIONS:

Lead 2 Fil. Cent. Tap
Lead 6 Filament
Lead 8 Filament
Top Lead Plate