

EDISWAN

MAZDA

U25

MINIATURE HIGH VOLTAGE H.W. RECTIFIER

Indirectly heated—for R.F. and

"Fly-back" E.H.T. Supply

U25

RATING

Heater Voltage (volts)	V_h			2.0	
Heater Current (amps)	I_h			0.2	
		<u>Oscillator</u>		<u>Fly-back</u>	
		250kc	350kc	<u>Pulse</u> §	
Maximum Frequency					
Maximum Peak Inverse Voltage (Absolute) (kV)	P.I.V.(max)	22	16.5	22	←
Maximum Peak Inverse Voltage (Design Centre) (kV)	P.I.V.(max)	19	15	19	←
Maximum Anode Voltage (rms) (kV)	V_a (max)	7.8	5.85		
Maximum Rectified Voltage (volts DC) (kV)			7.0	16*	←
Maximum Mean Anode Current (mA)	$I_{a(av)}\max$	0.5	0.5	0.2	
Maximum Peak Anode Current (mA)	$I_{a(pk)}\max$	15	15	25	

* 16kV is a Design Centre Rating. An absolute rating of 18kV must not be exceeded.

§ The pulse ratings are for Television Line Scan where the applied voltage pulse does not exceed 15% of one scanning cycle or 15μsecs. duration.

INTER-ELECTRODE CAPACITANCES (pF)

Anode/Heater, Cathode	$C_{a-h,k}$	0.6
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Indicates a change ←

June 1959

VALVE & CRT DIVISION

Issue 3/2

SIEMENS EDISON SWAN LIMITED

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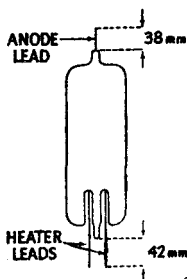
"Fly-back" E.H.T. Supply

DIMENSIONS

Maximum Overall Length (excluding leads)	(mm)	58
Maximum Bulb Diameter	(mm)	19
Approximate Nett Weight	(ozs)	$\frac{1}{4}$
Approximate Packed Weight	(ozs)	$1\frac{1}{2}$

MOUNTING POSITION—Unrestricted

CONNECTIONS—Wire Leads



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AVERAGE CHARACTERISTIC CURVES

