EDISWAN
MAZDA

6F26

VARIABLE MU H.F. PENTODE

Indirectly heated—for series or parallel operation

GENERAL

The 6F26 is a miniature based, indirectly heated, variable mu H.F. Pentode. It is intended for use in television receivers having series or parallel connected heater chains.

RATING

Heater Voltage	V_h	6·3	V
Heater Current	I_h	0·3	A
Maximum Anode Voltage	$V_{a(max)}$	300	V
Maximum Screen Voltage	$V_{g2(max)}$	300	V
Maximum Cathode Current	$I_{k(max)}$	15	mA
Mutual Conductance	g_m	6*	mA/V
Inner Amplification Factor	μ_{g1-g2}	25*	
Maximum Heater/Cathode Potential (DC)	$V_{h-k(max)}$	150†	V
Maximum Anode Dissipation	$P_{a(max)}$	2·5	W
Maximum Screen Dissipation	$P_{g2(max)}$	0·65	W
Maximum Grid 1/Cathode Resistance	$R_{g1-k(max)}$	3	MΩ
Maximum Heater/Cathode Resistance	$R_{h-k(max)}$	20	kΩ

* At V_a=250V; V_{g2}=100V; V_{g1}=2.0V.

† From Cathode to higher potential heater pin.

INTER-ELECTRODE CAPACITANCES (pF)††

Grid/Earth	c_{in}	7·2
Anode/Earth	c_{out}	3·7
Anode/Control Grid	c_{a-g1}	<0·007

†† Interelectrode capacities with fully shielded socket, without can.

DIMENSIONS

Maximum Overall Length	67·5	mm
Maximum Diameter	22·2	mm
Maximum Seated Height	60·5	mm

December, 1960 ADVANCE DATA

Associated Electrical Industries Limited

RADIO & ELECTRONIC COMPONENTS DIVISION

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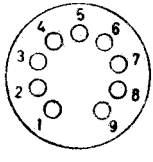
MOUNTING POSITION—Unrestricted

TYPICAL OPERATION

Anode Voltage	V_a	250	250	V
Screen Voltage	V_{g2}	100	250	V
Grid Bias Voltage	V_{g1}	—2	·	V
Anode Current	I_a	10	·	mA
Screen Current	I_{g2}	2·5	·	mA
Mutual Conductance	gm	6	·	mA/V
Anode Resistance	r_a	0·5	·	MΩ
Equivalent Grid Noise Resistance	R_{eq}	1·5	·	kΩ
Grid Bias to give Mutual Conductance of 60 μA/V	V_{g1}		—35	V

BASE—Noval (B9A)



CONNECTIONS

Pin 1	Cathode	k
Pin 2	Control Grid	g_1
Pin 3	Cathode	k
Pin 4	Heater	h
Pin 5	Heater	h
Pin 6	Internal Shield	s
Pin 7	Anode	a
Pin 8	Screen Grid	g_2
Pin 9	Suppressor Grid	g_3

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