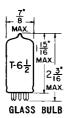
--- TUNG-SOL ---

DOUBLE TRIODE MINIATURE TYPE



COATED UNIPOTENTIAL CATHODE

SERIES PARALLEL 12.6 VOLTS 6.3 VOLTS 0.15 AMP. 0.30 AMP. AC OR DC ANY MOUNTING POSITION



SMALL BUTTON 9 PIN BASE

9 A

THE 12DW7 IS A DISSIMILAR DOUBLE TRIODE IN THE 9 PIN MINIATURE CONSTRUC-TION. IT IS ESPECIALLY SUITABLE FOR APPLICATIONS REQUIRING A HIGH GAIN VOLTAGE AMPLIFIER AND A CATHODYNE TYPE PHASE-INVERTER.

DIRECT INTERELECTRODE CAPACITANCES

	SECTION #1 A		SECTION #2 A		
	WITH ^B Shield	WITHOUT SHIELD	WITH ^B SHIELD	WITHOUT SHIELD	
GRID TO PLATE	1.7	1.7	1.5	1.5	μμ f
INPUT: G TO (H + K)	1.8	1.6	1.8	1.7	$\mu\mu$ f
OUTPUT: P TO(H + K)	2.0	0.44	2.4	0.4	$\mu\mu$ f

RATINGS INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM $^{\rm C}$

	SECTION #1	SECTION #2	
HEATER VOLTAGE (SERIES)	12.	6	VOLTS
HEATER VOLTAGE (PARALLEL)	6.	3	VOLTS
MAXIMUM PLATE VOLTAGE	330	330	VOLTS
MAXIMUM PLATE DISSIPATION	1.2	3.3	WATT
MAXIMUM CATHODE CURRENT		22	MA.
MAXIMUM POSITIVE DC GRID VOLTAGE	0		VOLTS
MAXIMUM NEGATIVE DC GRID VOLTAGE	55		VOLTS
MAXIMUM GRID CIRCUIT RESISTANCE:			
FIXED BIAS		0.25	MEGOHM
SELF BIAS		1.0	MEGOHM
MAXIMUM HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
TOTAL DC AND PEAK	200		VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC	100		VOLTS
TOTAL DC AND PEAK	200		VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL -

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A7 AMPLIFIER

	SECT	TION #1	SECT	ION #2			
HEATER VOLTAGE (SERIES)			12.6				
HEATER VOLTAGE (PARALLEL)	6.3						
HEATER CURRENT (SERIES)	0.15						
HEATER CURRENT (PARALLEL)	0.30						
PLATE VOLTAGE	100	250	100	250	VOLTS		
GRID VOLTAGE	-1	-2	0	-8.5	VOLTS		
PLATE CURRENT	0.5	1.2	11.8	10.5	MA.		
TRANSCONDUCTANCE	1250	1600	3100	2200	μ MHOS		
AMPLIFICATION FACTOR	100	100	20	17			
PLATE RESISTANCE	80000	62500	6500	7700	OHMS		
E _{C1} FOR 1 _b =10 μAMPS.				-24	VOLTS		

CESIGN-MAXIMUM RATINGS ARELIMITING VALUES OF OPERATING AND ENVIRONMENTAL CONDITIONS APPLICABLE TO A BOOGY ELECTRON DEVICE OF A SPECIFIED TYPE AS DEFINED BY ITS PUBLISHED DATA, AND SHOULD NOT BE EXCEEDED UNDER THE WORST PROBABLE CONDITIONS. THE DEVICE MANUFACTURER CHOOSES THESE VALUES TO PROVIDE ACCEPTABLE SERVICEABLLITY OF THE DEVICE, TAKING REPORSIBILITY FOR THE FFFECTS OF CHANGES IN OPERATING CONDITIONS DUE TO VARIATIONS IN DEVICE CHARACTERISTICS. THE EQUIPMENT MANUFACTURER SHOULD DESIGN SO THAT INITIALLY AND THROUGHOUT ITE NO DESIGN-MAXIMUM VALUE FOR THE INTENDED SERVICE IS EXCEEDED WITH A BOGEY DEVICE UNDER THE WORST PROBABLE OPERATING COMDITIONS WITH RESPECT TO SUPPLY-VOLTAGE VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT COMPONENT VARIATIONS.

ASECTION *1 CONNECTS TO PINS 6, 7, AND 8.
SECTION *2 CONNECTS TO PINS 1, 2, AND 3.

 $^{^{}m B}$ external shield *315 connected to cathode of section under test.