



ELECTRONIC TUBE REFERENCE

17AB9

Voltage Dual Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

Twin tetrode designed for VHF RF amplification and autodyne mixer service, a heater-variant member of a television/radio front-end converter family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	10
NOMINAL HEATER	16.8 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Matsushita 17AB9 first physical tetrode for VHF RF amplifier/autodyne converter service, identical to 6AB9 electrical construction except heater 16.8 V, 150 mA. JEDEC 6AB9 per-unit maxima: plate 250 V, screen supply 180 V, plate dissipation 2 W, screen dissipation 0.5 W, cathode 20 mA; combined two-plate dissipation no more than 3.5 W. Typical gm 10 mA/V and plate resistance 110 kΩ at plate 125 V, screen 80 V. Capacitances documented.</i>	

SECTION2 Tetrode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Matsushita 17AB9 second physical tetrode, separate from first despite identical ratings. Heater 16.8 V, 150 mA; manufacturer identifies heater variant of 6AB9. Each unit max plate 250 V, screen supply 180 V, plate dissipation 2 W, screen 0.5 W and cathode current 20 mA. Both plates total dissipation limited to 3.5 W. Typical gm 10 mA/V, $r_p \sim 110\text{ k}\Omega$ at 125 V plate, 80 V screen. Interelectrode capacitances available.</i>	

The 17AB9 is a twin tetrode intended for VHF RF amplifier and VHF autodyne mixer use. The supplied registration sheet primarily documents its heater variant and references an earlier equivalent type for the remaining characteristics.