



ELECTRONIC TUBE REFERENCE

6582A

Voltage - Pentode Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Miniature hard-glass sharp-cutoff RF pentode from Bendix. Its professional construction supports fixed-gain high-frequency signal amplification in applications requiring durable miniature tube construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	500000 Ω
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.85 W
MAXIMUM CATHODE CURRENT	20 mA
<p>Bendix 6582A miniature hard-glass sharp-cutoff RF pentode, indirect cathode, JEDEC nine-pin E9-1 with 9EJ basing, 6.3 V 250 mA nominal heater per manufacturer's original sheet; prior 300 mA parent current corrected. Absolute ratings plate 200 V, screen 155 V, plate dissipation 2 W, screen dissipation 0.85 W, cathode DC current 20 mA, heater-cathode voltage 300 V, bulb 300°C max. Typical Class A1 at plate 120 V, screen 120 V, cathode resistor 180 Ω: plate 7.5 mA, screen 2.5 mA, gm 4500 μmhos (0.0045 S), plate resistance approximately 0.5 MΩ. With #315 external shield, capacitances grid-to-plate 0.03 pF max, input 4.5 pF, output 3.0 pF. Typical characteristics must not be confused with maximum ratings.</p>	

Miniature hard-glass sharp-cutoff RF pentode.

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