



ELECTRONIC TUBE REFERENCE

6351

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

EMI Emitron secondary-emission pentode for wideband radio-frequency amplification. An internal secondary emitter multiplies electrons, enabling unusually high effective transconductance and gain in high-frequency amplifier stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	50000 Ω
TRANSCONDUCTANCE	0.05 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	400 V
EMI Emitron type 6351 is a SECONDARY-EMISSION pentode with an internal secondary emitter that acts as an electron multiplier, enabling very high effective transconductance for wideband RF amplification. Indirectly heated 6.3 V 0.3 A; manufacturer lists maximum anode voltage 400 V and, at anode 350 V and secondary-emitter/screen electrodes 250 V, transconductance around 0.05 S, anode impedance 50 kΩ and amplification factor 100 as recorded. Other numerals in supplied registration are poorly aligned by text extraction; no unsupported screen, secondary-emitter voltage or dissipation promoted. Manufacturer basing designation 9DN; exact canonical socket code left unchanged pending confirmation. Retains PentodeHighFrequency classification as no distinct secondary-emission pentode parent type in current catalog.	

TUBE TINKER

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