



ELECTRONIC TUBE REFERENCE

6BY11

Voltage - Dual Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-PENTODE

Dissimilar dual-pentode Compactron combining an audio power-output amplifier and a dual-control pentode for FM detector service. Uses a 6.3 V, 1.2 A heater and 12EZ basing.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Pentode

No fixed ratings recorded.

Sylvania 6BY11 dissimilar dual-pentode Compactron for combined AUDIO OUTPUT amplifier and FM detector service. This first physical Pentode section is the power/audio-output section as documented by the manufacturer description. Heater 6.3 V 1.2 A; Compactron 12-pin E12-70 basing 12EZ. Manufacturer heater-to-cathode maximum heater-negative 200 V total DC+peak, heater-positive 100 V DC and 200 V total DC+peak. Existing section electrical maximum fields left NULL since attached readable source does not unambiguously isolate section-specific limits. Second pentode section is dual-control FM detector; do not treat the two sections as identical.

SECTION2 Pentode

No fixed ratings recorded.

Sylvania 6BY11 second physical section is DUAL-CONTROL PENTODE for FM detection, distinct from first section's audio power-output pentode. Dissimilar two-pentode Compactron, 6.3 V 1.2 A heater, 12-pin E12-70 basing 12EZ. Maximum heater-to-cathode negative 200 V total DC and peak; positive 100 V DC and 200 V total DC and peak. No numerical plate/screen maxima or intrinsic transconductance promoted without an attributable complete section-specific datasheet. Physical section index 2 retained.

Special-purpose receiving tube; values retained from supplied source.

TUBE TINKER

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