

ELECTRONIC TUBE REFERENCE

6703

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMSWITCHINGCOMMUTATOR

High-vacuum ten-output magnetron beam-switching commutator, shared designation 6703/8D-301, for electronic selection and sequencing.

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 BeamSwitchingCommutator
No fixed ratings recorded.
Special-purpose display/switching section. Published non-promoted ratings are retained in TUBE_SECTION_PARAMETER.

High-vacuum ten-output magnetron beam-switching tube; 6703 / 8D-301 shared designation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Burroughs

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 BURROUGHS

Section 1 · BeamSwitchingCommutator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target Voltage	300 V	—
Spade Voltage	200 V	—
Grid Voltage	200 V	—
Heater-Cathode Voltage	90 V	—
Individual Target Dissipation	1 W	—
Typical Cathode Current	7.5 mA	Test circuit

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Any Spade to All Other Elements Capacitance	4 pF	—
Any Target to All Other Elements Capacitance	4 pF	—
Odd Grids to All Other Elements Capacitance	10 pF	—
Even Grids to All Other Elements Capacitance	10 pF	—
Cathode to All Other Elements Capacitance	6 pF	—

TUBE TINKER

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and their source documents.

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