

ELECTRONIC TUBE REFERENCE

8D301

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
MICROWAVETR SWITCH

High-vacuum ten-output magnetron beam-switching tube, co-designated 6703/8D-301, designed to steer an electron beam sequentially among multiple output electrodes.

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 MicrowaveTRSwitch
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

1963 Burroughs

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

1963 BURROUGHS

Section 1 · MicrowaveTRSwitch

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	—