

ELECTRONIC TUBE REFERENCE

6Q5G

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Gas-filled triode designed primarily as a sweep oscillator and also usable in control or counter circuits, generating repetitive time-base waveforms through gas-discharge action.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6Q	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

6Q - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – SH	A	SH – Internal Shield	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – P	A	P – Plate (Anode)	CONNECTED
PIN5 – G1	A	G1 – Control Grid	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM PLATE VOLTAGE	300 V
Gas-discharge sweep-oscillator/control section.	

The Du Mont 6Q5G is a gas-filled triode used as a sweep oscillator and in control or counter circuits.

SOURCE OPERATING CONDITIONS

1960 Du Mont

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

1960 DU MONT

Section 1 · Thyatron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	19 V	Approximate
Minimum Sweep Frequency	1 Hz	—
Maximum Sweep Frequency	50000 Hz	—
Grid-to-Anode Capacitance	2.8 pF	Nominal
Grid-to-Cathode Capacitance	1.7 pF	Nominal
Anode-to-Cathode Capacitance	2 pF	Nominal

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Instantaneous Anode Voltage	300 V	SweepOscillator
Maximum Peak Anode Current	300 mA	SweepOscillator
Maximum Average Anode Current	1 mA	SweepOscillator

TUBE TINKER

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