



ELECTRONIC TUBE REFERENCE

6CQ6S

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Ruggedized remote-control pentode for RF or AF amplification, including circuits requiring automatic gain control.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	3 W
<i>Compagnie Générale de T.S.F. 6CQ6S rugged indirectly heated 6.3 V 0.2 A remote-cutoff pentode for RF and AF amplifiers with automatic gain control in military and professional equipment. Absolute anode voltage maximum 300 V, plate dissipation 3.0 W. Screen-2 dissipation limit 0.7 W only at V_{g2} up to 150 V, with separate load curve above this level; not entered as unconditional max_screen_dissipation. Screen supply at zero current up to 300 V is not unrestricted electrode screen maximum. Typical Class A: anode 200 V, screen 200 V, grid-1 -2.5 V, anode current 8 mA and screen current 2.1 mA. Transconductance acceptance range 1.8–3.1 mA/V, no single nominal promoted. Unshielded grid-plate capacitance maximum 0.010 pF, input 3.8–5.2 pF, output 5.8–8.2 pF. Heater-to-cathode 100 V magnitude limit and bulb 165°C max; qualified for 450g shock and prolonged vibration 2.5g. No inferred transconductance maximum.</i>	

Ruggedized pentode for RF or AF amplification, including automatic-gain-control applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	200 mA	—

TUBE TINKER

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and their source documents.

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