



ELECTRONIC TUBE REFERENCE

A3064GEC

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Long-life GEC RF pentode for professional applications requiring closely controlled characteristics and dependable high-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
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 Pentode	
TRANSCONDUCTANCE	0.00762 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.8 W
Promoted fields mapped semantically from printed ratings/characteristics headings.	

RF pentode for applications requiring long life and close control of characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
h a Base: Small-button miniature (B	7 G	h a Base: Small-button miniature (B7G)
PublishedData	6.3 V	6.3 V
PublishedData	300 mA	0.3 A
Va(o)	550 V	Va(o) 550 V
Va	300 V	Va 300 V
Pa	2.5 W	Pa 2.5 W
Vg2(o)	450 V	Vg2(o) 450 V
Vg2	300 V	Vg2 300 V
Pg2	0.8 W	Pg2 0.8 W
Rgl-k	0.5 M0hm	Rgl-k 0.5 MQ
Vh-k (heater positive)	100 V	Vh-k (heater positive) 100 V
Vh-k (heater negative)	250 V	-Vh-k (heater negative) 250 V
Tbulb	200 degC	Tbulb 200 °C
gm	4.9 mA	gm 4.9 mA/V
Ihk (Vhk ±100) 20 f	1 A	Ihk (Vhk ±100) 20 f.1A
Vc =	250 V	Vc =250V
t. V<j2=	250 V	t. V<j2=250V
Va = Vg2	250 V	Va = Vg2 250V
351+++-l--l-l A-H-H--++-++++ Rk -1600 bypassed b~	1000 pF	351+++-l--l-l A-H-H--++-++++ Rk -1600 bypassed b~1000pF 14
f	-45 MHz	f -45 Mc/s
Va Vq2	250 V	Va Vq2 250V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va -Vgz	250 V	Va -Vgz 250V i
f	-45 MHz	f -45Mc/s
gm V Ia at Vg3	0 V	gm V Ia at Vg3-0V
Va Vq2	250 V	Va Vq2 250V Rk (unb ypossed) 2
f =	45 MHz	f = 45 Mc/s -

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cgl-alliess a: 6.5-8	7 pF	Cgl-alliess a: 6.5-8. 7pF ca-alliess gl: 2.75-3. 75pF
Va	250 V	Va 250 V
Vg2	250 V	Vg2 250 V
Vg1	0 V	Vg1 0 V
*gm 6.8 7.62	8.43 mA	*gm 6.8 7.62 8.43 mA/V
Ig 0.5 f	1 A	-Ig 0.5 f.1A
Ia (at -Vgl ~	8 V	Ia (at -Vgl ~ 8V) 100 f.1A
*-Vg3 (at -Vgl ~	3.5 V	*-Vg3 (at -Vgl ~ 3.5V,
Ia ~ 50f	1 A	Ia ~ 50f.1A) 70 95 120 V

TUBE TINKER

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