

Y1171

Voltage - Triode (single) electronic tube

Metal-ceramic planar triode intended as a continuous-wave oscillator through X-band.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	6.3 V / 270 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	57
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	4.5 W
MAXIMUM CATHODE CURRENT	30 mA

The Y-1171 is a metal-ceramic, planar triode intended for use as a CW oscillator at frequencies through X-band.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage ACorDCe 6 0 6 3	6.6 V	AVERAGE CHARACTERISTICS Test Conditions
Plate Voltage cevvidevirvneennn	140 V	AVERAGE CHARACTERISTICS Test Conditions
BT 00UEIICY vttt ieeteeaaeeanonessaaaaaneessassssssssssseansnasssssssssennnnssssssssssssssssnnnnns	10 GHz	AVERAGE CHARACTERISTICS Test Conditions
0L0 o (IV 7 T L	150 V	AVERAGE CHARACTERISTICS Test Conditions
LT I3 13 1 (o A g 0	2200 0hm	AVERAGE CHARACTERISTICS Test Conditions
PIatE CUITEN ttt ettt it ettt ieee e eae s e s e eseansaaseeenennnnseesesseeaaeesesssenssonasaseensoennes	30 mA	AVERAGE CHARACTERISTICS Test Conditions

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
BT G - T	200 V	ABSOLUTE-MAXIMUM RATINGS
POSitive DC Grid VOLTage oottt ittt et et e iietane e taaeereennensasnoeesesossnaanaesonssssas	0 V	ABSOLUTE-MAXIMUM RATINGS
Negative DC Grid Voltage oovienne 0	45 V	ABSOLUTE-MAXIMUM RATINGS
o P L DT EoE YT 1- T o 1 G	45 W	ABSOLUTE-MAXIMUM RATINGS
0T0 T B 1T -1	5 mA	ABSOLUTE-MAXIMUM RATINGS
DC Cathode CUITEnt ittt ittt et ie et tetaes e et s tataaanaeesenssssesanaeaesonsnserosossnsennnnns	30 mA	ABSOLUTE-MAXIMUM RATINGS
Peak Cathode CUMTEnt it ittt ittt et ettt et e e e et e e e taa e et a e e e anaaa e eaaaennns	80 mA	ABSOLUTE-MAXIMUM RATINGS
e ettt	50 V	ABSOLUTE-MAXIMUM RATINGS
Heater Negative with Respect t0 Cathode ottt ittt caannnn	50 V	ABSOLUTE-MAXIMUM RATINGS
GrHid CirCUIT RESISIANCE t ittt ir ettt it e et titaan e toesesaonannenanesonossnsnanenonensss	10000 0hm	ABSOLUTE-MAXIMUM RATINGS

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