



ELECTRONIC TUBE REFERENCE

3JC171G

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Heavy-filament triode for high-power electronic service. Available source material does not establish a narrower functional application confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	160
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	3000 W
MAXIMUM GRID DISSIPATION	225 W
<i>Published maximum ratings and characteristics audited; remaining values retained densely in parameter table.</i>	

The 3JC171G is a ceramic-metal high-mu forced-air-cooled power triode intended for zero-bias class-B audio- and radio-frequency amplifier service.

SOURCE OPERATING CONDITIONS
[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The [1]	3 W	The 3JC/171G is a ceramic/metal, high mu, forced-air-cooled power triode intended
The [2]	171 W	The 3JC/171G is a ceramic/metal, high mu, forced-air-cooled power triode intended
Ry, (plate to plate) ()]	2720	Ry, (plate to plate) ()] 2720
Note	1 W	Note 1. Nominal drive power is one-half peak power.
ary to direct at least	3	ary to direct at least 3cfm into the inner and outer filament terminals. ion if the anode is cooled by air blow
Anode-to-~Base Air Flow (Note	2	Anode-to-~Base Air Flow (Note 2)
Note	2	Note 2. When air is supplied in the anode-to-base direction, a
minimum of	3	minimum of 3cfm must be directed into the filament-stem struct-
\j k	1	\j k. 1 Filament
hepfuglpluglingtungusddond %	2	hepfuglpluglingtungusddond % 2 Filament
~+	3	~+ 3 Grid
E o D— --H	4	E o D— --H 4 Anode
Published value	300 A	. 3,00 Grid Current

TUBE TINKER

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