



ELECTRONIC TUBE REFERENCE

Y1774

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Planar metal-ceramic power triode designed specifically for long-pulse amplifier chains. Large cathode area reduces current density for improved life while high gain and transconductance support demanding microwave pulse service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.7 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.042 S
AMPLIFICATION FACTOR	125
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	100 W

The Y-1774 is a planar metal-ceramic triode intended for use in long pulse amplifier chains. This tube features a large cathode area to provide long life through lower current densities and specific design features for long pulse applications.



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 Voitage ACordCe 6 0 6 3	6.6 V	AVERAGE CHARACTERISTICS Test Conditions

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
o T P	2000 V	ABSOLUTE-MAXIMUM RATINGS
Plate DiSSIPAtION A + v vttt ettt ittt et et s et e et aaaaaesseasaneannasaneeesetootennesotataentanarennns	100 W	ABSOLUTE-MAXIMUM RATINGS
Peak Cathode CUITENT o t i ittt ittt ittt et ittt tnnne et seettssaanoonasonnanaens	8 A	ABSOLUTE-MAXIMUM RATINGS
Peak Grid CUITENT ttt etenrananceenens et e et ee	3 A	ABSOLUTE-MAXIMUM RATINGS
PUISE DUFALION L otth t ettt ittt s et e eamseesaeseasesseenassasenssstssasaeesaesssasasssersonnns	200 us	ABSOLUTE-MAXIMUM RATINGS