

ELECTRONIC TUBE REFERENCE

CV408

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-frequency triode for grounded-grid amplification, low-noise amplification, oscillation, or frequency multiplication in VHF/UHF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 490 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0085 S
AMPLIFICATION FACTOR	45
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM GRID DISSIPATION	0.1 W
MAXIMUM CATHODE CURRENT	45 mA
Explicit commercial-equivalent designation on A1714 datasheet.	

A triode with planar electrodes for use as an RF oscillator at frequencies up to 1000 Mc/s or as a low-noise amplifier at frequencies up to about 300 Mc/s. The A1714 is a commercial equivalent of CV408.

SOURCE OPERATING CONDITIONS

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
up to	1000 MHz	—
up to 1000 Mc/s or as a low noise amplifier at frequencies up to about	300 MHz	—
V _{h-k(pk)}	90 V	MAXIMUM RATINGS (Design centre)
r _{in} (	45 MHz	a subsidiary of THE GENERAL ELECTRIC CO LTD OF ENGLAND
c _{g-all} (	45 MHz	a subsidiary of THE GENERAL ELECTRIC CO LTD OF ENGLAND
c _{g-all} (45 Mc/s)	5 pF	a subsidiary of THE GENERAL ELECTRIC CO LTD OF ENGLAND
Noise factor (	45 MHz	a subsidiary of THE GENERAL ELECTRIC CO LTD OF ENGLAND
Noise factor (45 Mc/s)	1.9 dB	a subsidiary of THE GENERAL ELECTRIC CO LTD OF ENGLAND

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
c _{a-g}	0.9 pF	CAPACITANCES (of unscreened valve)
C _{a-all less g}	1.3 pF	CAPACITANCES (of unscreened valve)
tC _{g-all less a}	3 pF	CAPACITANCES (of unscreened valve)
+Measured at	1 MHz	CAPACITANCES (of unscreened valve)