



ELECTRONIC TUBE REFERENCE

CV2398GEC

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
DIODE

Tungsten-filament diode noise generator with flexible-lead Noval construction, intended as an RF noise source for measurements at frequencies to approximately 500 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 1.15 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	45 mA
<i>Promoted fields mapped semantically from printed ratings/characteristics headings.</i>	

Tungsten-filament diode noise generator with flexible-lead Noval base, suitable up to 500 MHz.

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 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PublishedData	500 MHz	500 Mc/s.
Base: B	9 A	Base: B9A/F
VI (range) 0	-6 V	VI (range) 0-6 V
If (at Vf=	6 V	If (at Vf=6V) 1·15 (approx) A
Va	200 V	Va 200 V
pa 3·	5 W	pa 3·5 W
Vf	6 V	Vf 6 V
Noise diode for use up to	220 MHz	Noise diode for use up to 220 Mc/s
No correction of noise factor measured is necessary up to	220 MHz	No correction of noise factor measured is necessary up to 220 Mc/s,
Va 50 50	50 V	Va 50 50 50 V
Vf (range) (approx) 0-6 0-6 0	-6 V	Vf (range) (approx) 0-6 0-6 0-6 V
(range) (approx) 18·4 19·9 26·	2 db	(range) (approx) 18·4 19·9 26·2 db
part of the bulb must not exceed	200 degC	part of the bulb must not exceed 200°C.

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ca-I(m.x)	3 pF	Ca-I(m.x) 3 pF

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va	50 V	Va 50 V

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
VI (approx) 5·	6 V	VI (approx) 5·6 V